

# NSX Data Security Reference Guide

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VMware NSX Data Center for vSphere 6.2



vmware®

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<https://docs.vmware.com/>

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# NSX Data Security Reference Guide

The *NSX Data Security Reference Guide* provides reference information for using data security in VMware NSX<sup>®</sup> for vSphere<sup>®</sup>.

## Intended Audience

This information is intended for anyone who wants to use NSX in a VMware vCenter environment. The information in this manual is written for experienced system administrators who are familiar with virtual machine technology and virtual datacenter operations. This manual assumes familiarity with VMware vSphere 5.5 or 6.0, including VMware ESX, vCenter Server, and the vSphere Web Client.

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**Note** As of NSX 6.2.3, the NSX Data Security feature has been deprecated. In NSX 6.2.3, you can continue to use this feature at your discretion, but be aware that this feature will be removed from NSX in a future release.

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## VMware Technical Publications Glossary

VMware Technical Publications provides a glossary of terms that might be unfamiliar to you. For definitions of terms as they are used in VMware technical documentation, go to <http://www.vmware.com/support/pubs>.

# Data Security Regulations

Below are descriptions of each of the regulations available within NSX Data Security.

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**Note** As of NSX 6.2.3, the NSX Data Security feature has been deprecated. In NSX 6.2.3, you can continue to use this feature at your discretion, but be aware that this feature will be removed from NSX in a future release.

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This chapter includes the following topics:

- [Arizona SB-1338](#)
- [ABA Routing Numbers](#)
- [Australia Bank Account Numbers](#)
- [Australia Business and Company Numbers](#)
- [Australia Medicare Card Numbers](#)
- [Australia Tax File Numbers](#)
- [California AB-1298](#)
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- [Washington SB-6043](#)
- [Data Security Content Blades](#)

## Arizona SB-1338

Arizona SB-1338 is a state data privacy law which protects personally identifiable information. Arizona SB-1338 was signed into law April 26, 2006 and became effective December 31, 2006. The law applies to any person or entity that conducts business in Arizona and owns or licenses unencrypted computerized data that includes personally identifiable information.

The policy looks for at least one match to personally identifiable information, which may include:

- Credit Card Number
- Credit Card Track Data
- US Drivers License Number
- US Social Security Number

## ABA Routing Numbers

A routing transit number (RTN) or ABA number is a nine digit bank code, used in the United States, which appears on items such as checks that identifies which financial institution it is drawn upon. This code is also used by the Automated Clearing House to process direct deposits and other automated transfers. This system is named after the American Bankers Association, which designed it in 1910.

There are approximately 24,000 active routing and transit numbers currently in use. Every financial institution has one of these; it is a 9-digit number printed in MICR font at the bottom of checks that specifically identifies which financial institution it is associated with, and it is governed by the Routing Number Administrative Board which is sponsored by the ABA.

The primary purposes of the routing number are:

- To identify the bank which is responsible to either pay or give credit or is entitled to receive payment or credit for a financial transaction.

- To provide a reference to a designated presentment point of the bank at which the transaction can be delivered or presented.

For more information, see [ABA Routing Number Content Blade](#).

## Australia Bank Account Numbers

An Australian bank account number, along with a BSB (Bank-State-Branch number) identifies the bank account of an individual or organization.

## Australia Business and Company Numbers

Australia Business Numbers (ABN) and Australia Company Numbers (ACN) uniquely identify businesses within the country.

The ABN is a unique 11-digit identifying number that businesses use when dealing with other businesses. A company's ABN frequently includes the ACN as the last nine digits. The ABN indicates that a person, trust or company is registered with the Australian Business Register (ABR).

An Australian Company Number (usually shortened to ACN) is a unique 9-digit number issued by the Australian Securities and Investments Commission (ASIC) to every company registered under the Commonwealth Corporations Act 2001 as an identifier. The number is usually printed in three groups of three digits.

Companies are required to disclose their ACN on:

- the common seal (if any)
- every public document issued, signed or published by, or on behalf of, the company
- every eligible negotiable instrument issued, signed or published by, or on behalf of, the company
- all documents required to be lodged with ASIC

This regulation uses the content blades titled Australia Business Number or Australia Company Number.

## Australia Medicare Card Numbers

All Australian citizens and permanent residents of Australia and their families are eligible for a Medicare Card, with the exception of residents on Norfolk Island. The card lists an individual as well as members of his or her family he or she chooses to add who are also permanent residents and meet the Medicare definition of a dependent (maximum of five names). It is necessary to provide a Medicare Number for a Medicare rebate or to gain access to the public hospital system to be treated at no cost as a public patient.

Medicare is administered by Medicare Australia (known as the Health Insurance Commission until late 2005) which also has the responsibility for supplying Medicare cards and numbers. Almost every eligible person has a card: in June 2002 there were 20.4 million Medicare card-holders, and the Australian population was less than 20 million at the time (card-holders includes overseas Australians who still have a card).

The Medicare card is used for health care purposes only and cannot be used to track in a database. It contains a name and number, and no visible photograph (with the exception of the Tasmanian “Smartcard” version which does have an electronic image of the cardholder on an embedded chip).

The primary purpose of the Medicare card is to prove Medicare eligibility when seeking Medicare-subsidized care from a medical practitioner or hospital. Legally, the card need not be produced and a Medicare number is sufficient. In practice, most Medicare providers will have policies requiring the card be presented to prevent fraud.

## Australia Tax File Numbers

A Tax File Number (TFN) is a number that is issued to a person by the Commissioner of Taxation and is used to verify client identity and establish income level.

This policy uses the content blade titled Australia Tax File Number. Refer to the description of the content blades to understand what content will be detected.

## California AB-1298

California AB-1298 is a state data privacy law which protects personally identifiable information. California AB-1298 in was signed into law October 14, 2007 and became effective January 1, 2008. The law applies to any person, business, or state agency that conducts business in California and owns or licenses unencrypted computerized data that includes personally identifiable information.

This law is an amendment to California SB-1386 to include medical information and health information in the definition of personal information.

The regulation looks for at least one match to personally identifiable information, as defined through the following content blades:

- Admittance and Discharge Dates
- Credit Card Numbers
- Credit Card Track Data
- Group Insurance Numbers
- Health Plan Beneficiary Numbers
- Healthcare Dictionaries
- Medical History
- Patient Identification Numbers
- US Drivers License Numbers
- US National Provider Identifiers
- US Social Security Numbers

## California SB-1386

California SB-1386 is a state data privacy law which protects personally identifiable information. California SB-1386 was signed into law September 25, 2002 and became effective July 1, 2003. The law applies to any person, business, or state agency that conducts business in California and owns or licenses unencrypted computerized data that includes personally identifiable information.

This law has been amended to include medical information and health information; it is now referred to as California AB-1298, which is provided as an expanded regulation in the SDK. If California AB-1298 is enabled, you do not need to also use this regulation as the same information is detected as part of AB-1298.

The regulation looks for at least one match to personally identifiable information, which may include:

- Credit Card Number
- Credit Card Track Data
- US Drivers License Number
- US Social Security Number

## Canada Social Insurance Numbers

A Social Insurance Number (SIN) is a number issued in Canada to administer various government programs. The SIN was created in 1964 to serve as a client account number in the administration of the Canada Pension Plan and Canada's varied employment insurance programs. In 1967, Revenue Canada (now the Canada Revenue Agency) started using the SIN for tax reporting purposes.

## Canada Drivers License Numbers

In Canada, driver's licenses are issued by the government of the province in which the driver resides. Thus, specific regulations relating to driver's licenses vary province to province, though overall they are quite similar. All provinces have provisions allowing non-residents to use licenses issued by other provinces and International Driving Permits.

The regulation looks for at least a match to at least one of the following content blades:

- Alberta Drivers Licence
- British Columbia Drivers Licence
- Manitoba Drivers Licence
- New Brunswick Drivers Licence
- Newfoundland and Labrador Drivers Licence
- Nova Scotia Drivers Licence

License pattern rules: 5 letters followed by 9 digits

- Ontario Drivers Licence

- Prince Edward Island Drivers Licence
- Quebec Drivers Licence
- Saskatchewan Drivers Licence

## Colorado HB-1119

Colorado HB-1119 is a state data privacy law which protects personally identifiable information. Colorado HB-1119 was signed into law April 24, 2006 and became effective September 1, 2006. The law applies to any individual or a commercial entity that conducts business in Colorado and owns or licenses unencrypted computerized data that includes personally identifiable information.

The regulation looks for at least one match to personally identifiable information, which may include:

- Credit Card Number
- Credit Card Track Data
- US Drivers License Number
- US Social Security Number

## Connecticut SB-650

Connecticut SB-650 is a state data privacy law which protects personally identifiable information. Connecticut SB-650 was signed into law June 8, 2005 and became effective January 1, 2006. The law applies to any person, business or agency that conducts business in Connecticut and owns or licenses unencrypted computerized data that includes personally identifiable information.

The regulation looks for at least one match to personally identifiable information, as defined through the following content blades:

- Admittance and Discharge Dates
- Birth and Death Certificates
- Credit Card Numbers
- Credit Card Track Data
- Group Insurance Numbers
- Health Plan Beneficiary Numbers
- Healthcare Dictionaries
- Medical History
- Patient Identification Numbers
- US Drivers License Numbers
- US National Provider Identifiers
- US Social Security Numbers

## Credit Card Numbers

## Custom Account Numbers

If you have organizational account numbers that need to be protected, then customize the content blade assigned to the Custom Account Numbers regulation with the number pattern via a regular expression.

## EU Debit Card Numbers

The policy looks for debit card numbers as issued by the major debit card carriers in the European Union such as Maestro, Visa and Laser.

## FERPA (Family Educational Rights and Privacy Act)

FERPA protects the privacy of student records at educational institutions receiving U.S. Department of Education funds. It requires the educational institution to have written permission from a parent or student in order to release information from a student's educational record.

Under certain circumstances the release of information such as name, address, telephone number, honors and awards, and dates of attendance may be released or published without permission. Information that can connect an individual with grades or disciplinary actions requires permission.

The policy must match both of the following content blades for a document to trigger as a violation:

- Student Identification Numbers
- Student Records

## Florida HB-481

Florida HB-481 is a state data privacy law which protects personally identifiable information. Florida HB-481 was signed into law June 14, 2005 and became effective July 1, 2005. The law applies to any person, firm, association, joint venture, partnership, syndicate, corporation, and all other groups or combinations that conduct business in Florida and owns or licenses unencrypted computerized data that includes personally identifiable information.

The policy looks for at least one match to personally identifiable information, which may include:

- Credit Card Number
- Credit Card Track Data
- US Drivers License Number
- US Social Security Number

## France IBAN Numbers

A France International Bank Account Number (IBAN) is an international standard for identifying France bank accounts across national borders and was originally adopted by the European Committee for Banking Standards. The official IBAN registrar under ISO 13616:2003 is issued by the Society for Worldwide Interbank Financial Telecommunication (SWIFT).

The policy looks for a match to the content blade France IBAN Number.

## France National Identification Numbers Policy

The policy identifies documents and transmissions that contain national identification numbers, also called INSEE numbers and Social Security numbers, issued to individuals at birth by the Institut National de la Statistique et des Etudes Economiques (INSEE) in France.

The policy looks for a match to the content blade France National Identification Number.

## Georgia SB-230 Policy

Georgia SB-230 is a state data privacy law which protects personally identifiable information. Georgia SB-230 was signed into law May 5, 2005 and became effective May 5, 2005. The law applies to any person or entity who, for monetary fees or dues, engages in whole or in part in the business of collecting, assembling, evaluating, compiling, reporting, transmitting, transferring, or communicating information concerning individuals for the primary purpose of furnishing personally identifiable information to nonaffiliated third parties, or any state or local agency or subdivision thereof that maintains data that includes personally identifiable information.

The policy looks for at least one match to personally identifiable information, which may include:

- Credit Card Number
- Credit Card Track Data
- US Drivers License Number
- US Social Security Number

## Germany BIC Numbers Policy

A Bank Identifier Code (BIC) uniquely identifies a particular bank and is used in Germany and worldwide for the exchange of money and messages between banks. The policy identifies documents and transmissions that contain BIC codes, also known as SWIFT codes, issued by the Society for Worldwide Interbank Financial Telecommunication (SWIFT).

The policy looks for a match to the content blade Germany BIC Number.

## Germany Driving License Numbers Policy

A Germany Drivers License Number is an identification number on a German Drivers License and identifies the owner of said number for the purposes of driving and driving offences.

The policy looks for a match to the content blade Germany Driving License Number.

## Germany IBAN Numbers Policy

International Bank Account Number (IBAN) is an international standard for identifying bank accounts across national borders and was originally adopted by the European Committee for Banking Standards. The official IBAN registrar under ISO 13616:2003 is issued by the Society for Worldwide Interbank Financial Telecommunication (SWIFT).

The policy looks for a match to the content blade Germany IBAN Number.

## Germany National Identification Numbers Policy

The policy identifies documents and transmissions that contain personal identification numbers, or Personalausweis, issued to individuals in Germany.

The policy looks for a match to the content blade Germany National Identification Number.

## Germany VAT Numbers Policy

based business or legal entity for the purposes of levying Value Added Tax (or goods and services tax).

The policy looks for a match to the content blade Germany VAT Number.

## Hawaii SB-2290 Policy

Hawaii SB-2290 is a state data privacy law which protects personally identifiable information.

Hawaii SB-2290 was signed into law May 25, 2006 and became effective January 1, 2007. The law applies to any sole proprietorship, partnership, corporation, association, or other group, however organized, and whether or not organized to operate at a profit, including financial institutions organized, chartered, or holding a license or authorization certificate under the laws of Hawaii, any other state, the US, or any other country, or the parent or the subsidiary of any such financial institution, and any entity whose business is records destruction, or any government agency that collects personally identifiable information for specific government purposes

The policy looks for at least one match to personally identifiable information, which may include:

- Credit Card Number
- Credit Card Track Data
- US Drivers License Number
- US Social Security Number

## HIPAA (Healthcare Insurance Portability and Accountability Act) Policy

The Health Insurance Portability and Accountability Act (HIPAA) was enacted by the Congress of the United States of America. HIPAA includes a Privacy Rule regulating the use and disclosure of protected health information (PHI), a Security Rule defining security safeguards required for electronic protected health information (ePHI), and an Enforcement Rule that defines procedures for violation investigations and penalties for confirmed violations.

PHI is defined as individually identifiable health information that is transmitted or maintained in any form or medium (electronic, oral, or paper) by a covered entity or its business associates, excluding certain educational and employment records. Individually identifiable means the identity of the subject is or may readily be ascertained by the investigator or associated with the information.

This policy is designed to detect electronic PHI, which contains a personal health number in addition to health-related terminology. Some false negatives may occur since combinations of personally identifiable information, such as name and address, would not be considered as ePHI with this policy. Internal research indicates that the majority of health communication will contain a personal health number in addition to health-related terminology.

## Idaho SB-1374 Policy

Idaho SB-1374 is a state data privacy law which protects personally identifiable information. Idaho SB-1374 was signed into law March 30, 2006 and became effective July 1, 2006. The law applies to any agency, individual, or commercial entity that conducts business in Idaho and owns or licenses unencrypted computerized data that includes personally identifiable information about a resident of Idaho.

The policy looks for at least one match to personally identifiable information, which may include:

- Credit Card Number
- Credit Card Track Data
- US Drivers License Number
- US Social Security Number

## Illinois SB-1633

Illinois SB-1633 is a state data privacy law which protects personally identifiable information. Illinois SB-1633 was signed into law June 16, 2005 and became effective June 27, 2006.

The law applies to any data collector, which includes, but is not limited to, government agencies, public and private universities, privately and publicly held corporations, financial institutions, retail operators, and any other entity that, for any purpose, handles, collects, disseminates, or otherwise deals with nonpublic personally identifiable information that owns or licenses personally identifiable information concerning an Illinois resident.

The policy looks for at least one match to personally identifiable information, which may include:

- Credit Card Number
- Credit Card Track Data
- US Drivers License Number
- US Social Security Number

## Indiana HB-1101 Policy

Indiana HB-1101 is a state data privacy law which protects personally identifiable information. Indiana HB-1101 was signed into law April 26, 2005 and became effective July 1, 2006. The law applies to any individual, corporation, business trust, estate, trust partnership, association, nonprofit corporation or organization, cooperative, or any other legal entity that owns or licenses unencrypted computerized data that includes personally identifiable information.

The policy looks for at least one match to personally identifiable information, which may include:

- Credit Card Number
- Credit Card Track Data
- US Drivers License Number
- US Social Security Number

## Italy Driving License Numbers Policy

A Italy Drivers License Number is an identification number on a Italian Drivers License and identifies the owner of said number for the purposes of driving and driving offences.

The policy looks for a match to the content blade Italy Driving License Number.

## Italy IBAN Numbers Policy.

A International Bank Account Number (IBAN) is an international standard for identifying bank accounts across national borders and was originally adopted by the European Committee for Banking Standards. The official IBAN registrar under ISO 13616:2003 issued by the Society for Worldwide Interbank Financial Telecommunication (SWIFT)

The policy looks for a match to the content blade Italy IBAN Number.

## Italy National Identification Numbers Policy

The policy identifies documents and transmissions that contain personal identification numbers, or Codice Fiscale, issued to individuals in Italy.

The policy looks for a match to the content blade Italy National Identification Number.

## Kansas SB-196 Policy

Kansas SB-196 is a state data privacy law which protects personally identifiable information. Kansas SB-196 was signed into law April 19, 2006 and became effective January 1, 2007. The law applies to any individual, partnership, corporation, trust, estate, cooperative, association, government, or government subdivision or agency or other entity that conducts business in Kansas and owns or licenses unencrypted computerized data that includes personally identifiable information.

The policy looks for at least one match to personally identifiable information, which may include:

- Credit Card Number
- Credit Card Track Data
- US Drivers License Number
- US Social Security Number

## Louisiana SB-205 Policy

Louisiana SB-205 is a state data privacy law which protects personally identifiable information. Louisiana SB-205 was signed into law July 12, 2005 and became effective January 1, 2006. The law applies to any individual, corporation, partnership, sole proprietorship, joint stock company, joint venture, or any other legal entity that conducts business in Louisiana and owns or licenses unencrypted computerized data that includes personally identifiable information.

The policy looks for at least one match to personally identifiable information, which may include:

- Credit Card Number
- Credit Card Track Data
- US Drivers License Number
- US Social Security Number

## Maine LD-1671 Policy

Maine LD-1671 is a state data privacy law which protects personally identifiable information. Maine LD-1671 was signed into law June 10, 2005 and became effective January 31, 2006.

The law applies to any individual, partnership, corporation, limited liability company, trust, estate, cooperative, association, or other entity, including agencies of state government, the University of Maine System, the Maine Community College System, Maine Maritime Academy and private colleges and universities, or any information in whole or in part in the business of collecting, assembling, evaluating, compiling, reporting, transmitting, transferring or communicating information concerning individuals for the primary purpose of furnishing personally identifiable information to nonaffiliated third parties that maintains computerized data that includes personally identifiable information.

The policy looks for at least one match to personally identifiable information, which may include:

- Credit Card Number
- Credit Card Track Data
- US Drivers License Number
- US Social Security Number

## Massachusetts CMR-201

Massachusetts CMR-201 is a state data privacy regulation which protects personally identifiable information. Massachusetts CMR-201 was issued on September 19, 2008 and became effective May 1, 2009. The regulation applies to all businesses and other legal entities that own, license, collect, store or maintain personal information about a resident of the Commonwealth of Massachusetts.

The policy looks for at least one match to personally identifiable information, which may include:

- ABA Routing Numbers
- Credit Card Number
- Credit Card Track Data
- US Bank Account Numbers
- US Drivers License Number
- US Social Security Number

## Minnesota HF-2121

Minnesota HF-2121 is a state data privacy law which protects personally identifiable information. Minnesota HF-2121 was signed into law June 2, 2005 and became effective January 1, 2006. The law applies to any person or business that conducts business in Minnesota and owns or licenses data that includes personally identifiable information.

The policy looks for at least one match to personally identifiable information, which may include:

- Credit Card Number
- Credit Card Track Data
- US Drivers License Number
- US Social Security Number

## Montana HB-732

Montana HB-732 is a state data privacy law which protects personally identifiable information. Montana HB-732 was signed into law April 28, 2005 and became effective March 1, 2006. The law applies to any person or business that conducts business in Montana and owns or licenses computerized data that includes personally identifiable information.

The policy looks for at least one match to personally identifiable information, which may include:

- Credit Card Number
- Credit Card Track Data
- US Drivers License Number
- US Social Security Number

## Netherlands Driving Licence Numbers

A Netherlands Driving License number is an identification number on a Netherlands Drivers License and identifies the owner of said number for the purposes of driving and driving offences.

The policy looks for a match to the content blade Netherlands Driving License Number.

## Nevada SB-347

Nevada SB-347 is a state data privacy law which protects personally identifiable information. Nevada SB-347 was signed into law June 17, 2005 and became effective October 1, 2005. The law applies to any government agency, institution of higher education, corporation, financial institution or retail operator, or any other type of business entity or association that owns computerized data which includes personal information.

The policy looks for at least one match to personally identifiable information, which may include:

- Credit Card Number
- Credit Card Track Data
- US Drivers License Number
- US Social Security Number

## New Hampshire HB-1660

New Hampshire HB-1660 is a state data privacy law which protects personally identifiable information. New Hampshire HB-1660 was signed into law June 2, 2006 and became effective January 1, 2007. The law applies to any individual, corporation, trust, partnership, incorporated or unincorporated association, limited liability company, or other form of entity, or any agency, authority, board, court, department, division, commission, institution, bureau, or other state governmental entity, or any political subdivision of the state doing business in New Hampshire that owns or licenses computerized data that includes personally identifiable information.

The policy looks for at least one match to personally identifiable information, which may include:

- Credit Card Number
- Credit Card Track Data
- US Drivers License Number
- US Social Security Number

## New Jersey A-4001

New Jersey A-4001 is a state data privacy law which protects personally identifiable information.

New Jersey A-4001 was signed into law September 22, 2005 and became effective January 1, 2006. The law applies to New Jersey, and any country, municipality, district, public authority, public agency, and any other political subdivision or public body in New Jersey, any sole proprietorship, partnership, corporation, association, or other entity, however organized and whether or not organized to operate at a profit, including a financial institution organized, chartered, or holding a license or authorization certificate under the law of New Jersey, any other state, the United States, or of any other country, or the parent or the subsidiary of a financial institution, that conducts business in New Jersey that compiles or maintains computerized records that include personally identifiable information.

The policy looks for at least one match to personally identifiable information, which may include:

- Credit Card Number
- Credit Card Track Data
- US Drivers License Number
- US Social Security Number

## New York AB-4254

New York AB-4254 is a state data privacy law which protects personally identifiable information. New York AB-4254 was signed into law August 10, 2005 and became effective December 8, 2005. The law applies to any person or business which conducts business in New York and owns or licenses unencrypted computerized data that includes personally identifiable information.

The policy looks for at least one match to personally identifiable information, which may include:

- Credit Card Number
- Credit Card Track Data
- US Drivers License Number
- US Social Security Number

## New Zealand Inland Revenue Department Numbers

The policy identifies documents and transmissions that contain New Zealand Inland Revenue Department (IRD) numbers issued by the Inland Revenue Department to every taxpayer and organization. The number must be provided by an individual to the Inland Revenue, employers, banks or other financial institutions, KiwiSaver scheme providers, StudyLink and tax agents.

The policy looks for a match to the content blade New Zealand Inland Revenue Department Number.

## New Zealand Ministry of Health Numbers

The policy identifies documents and transmissions that contain New Zealand Health Practitioner Index (HPI) or National Health Index (NHI) numbers.

The New Zealand Ministry of Health, or Manatū Hauora in Māori, is the New Zealand government's principal agent and advisor on health and disability. The agency uses the NHI numbering system for registering patients and the HPI system for registering medical practitioners to ensure that records are accurate while protecting the privacy of individuals. This policy detects 6-digit alphanumeric New Zealand Health Practitioner Index Common Person numbers (HPI-CPN), which uniquely identify a health practitioner or worker. This policy also detects 7-digit NHI numbers used to uniquely identify a patient within the New Zealand health system.

The policy looks for a match to either of the content blades:

- New Zealand Health Practitioner Index Number
- New Zealand National Health Index Number

## Ohio HB-104

Ohio HB-104 is a state data privacy law which protects personally identifiable information. Ohio HB-104 was signed into law November 17, 2005 and became effective December 29, 2006. The law applies to any individual, corporation, business trust, estate, trust, partnership, or association that conducts business in Ohio and owns or licenses computerized data that includes personally identifiable information.

The policy looks for at least one match to personally identifiable information, which may include:

- Credit Card Number
- Credit Card Track Data
- US Drivers License Number
- US Social Security Number

## Oklahoma HB-2357

Oklahoma HB-2357 is a state data privacy law which protects personally identifiable information. Oklahoma HB-2357 was signed into law June 8, 2006 and became effective November 1, 2008. The law applies to any corporations, business trusts, estates, partnerships, limited partnerships, limited liability partnerships, limited liability companies, associations, organizations, joint ventures, governments, governmental subdivisions, agencies, or instrumentalities, or any other legal entity, whether for profit or not-for-profit that conducts business in Oklahoma HB-2357 and owns or licenses unencrypted computerized data that includes personally identifiable information.

The policy looks for at least one match to personally identifiable information, which may include:

- Credit Card Number
- Credit Card Track Data
- US Drivers License Number
- US Social Security Number

## Patient Identification Numbers

The personally identifiable information (PII) commonly held by hospitals and healthcare-related organizations and businesses in the United States of America. This policy should be customized to define the patient identification number format.

The policy looks for at least one match to personally identifiable information, which may include:

- Patient Identification Numbers
- US National Provider Identifier
- US Social Security Number

## Payment Card Industry Data Security Standard (PCI-DSS)

The PCI DSS, a set of comprehensive requirements for enhancing payment account data security, was developed by the founding payment brands of the PCI Security Standards Council, including American Express, Discover Financial Services, JCB International, MasterCard Worldwide and Visa Inc. Inc. International, to help facilitate the broad adoption of consistent data security measures on a global basis.

The PCI DSS is a multifaceted security standard that includes requirements for security management, policies, procedures, network architecture, software design and other critical protective measures. This comprehensive standard is intended to help organizations proactively protect customer account data.

The policy looks for at least one match to either of the content blades:

- Credit Card Number
- Credit Card Track Data

## Texas SB-122

Texas SB-122 is a state data privacy law which protects personally identifiable information. Texas SB-122 was signed into law June 17, 2005 and became effective September 1, 2005. The law applies to any person that conducts business in Texas and owns or licenses unencrypted computerized data that includes personally identifiable information.

The policy looks for at least one match to personally identifiable information, which may include:

- Credit Card Number
- Credit Card Track Data
- US Drivers License Number
- US Social Security Number

## UK BIC Numbers

A Bank Identifier Code (BIC) uniquely identifies a particular bank and is used in the UK and worldwide for the exchange of money and messages between banks. The policy identifies documents and transmissions that contain BIC codes, also known as SWIFT codes, issued by the Society for Worldwide Interbank Financial Telecommunication (SWIFT).

The policy looks for a match to the content blade UK BIC Number.

## UK Driving License Numbers

A UK driving license number is an identification number on a UK driving license and identifies the owner of said number for the purposes of driving and driving offences.

The policy looks for a match to the content blade UK Driving License Number.

## UK IBAN Numbers

International Bank Account Number (IBAN) is an international standard for identifying the UK bank accounts across national borders and was originally adopted by the European Committee for Banking Standards. The official IBAN registrar under ISO 13616:2003 is issued by the Society for Worldwide Interbank Financial Telecommunication (SWIFT).

The policy looks for a match to the content blade UK IBAN Number.

## UK National Health Service Numbers

A UK National Health Service number is an identification number provided by the UK National Health Service and identifies the owner of said number for the purposes of medical records.

The policy looks for a match to the content blade UK National Health Service Number.

## UK National Insurance Numbers (NINO)

UK National Insurance is a system of payments made out of earnings by employees, employers and the self-employed to the Government that entitle you to a state pension and other benefits.

UK National Insurance Numbers (NINO) are the identification numbers assigned to each person born in the UK, or to anyone resident in the UK who is a legal employee, student, recipient of social welfare benefits, pension etc.

The policy looks for a match at least one of the content blades UK NINO Formal or UK NINO Informal.

## UK Passport Numbers

The policy identifies documents and transmissions that contain passport numbers issued in the UK.

The policy looks for a match to the content blade UK Passport Number.

## US Drivers License Numbers

Driver's licenses issued in the United States have a number or alphanumeric code issued by the Department of Motor Vehicles (or equivalent), usually show a photograph of the bearer, as well as a copy of his or her signature, the address of his or her primary residence, the type or class of license, restrictions and/or endorsements (if any), the physical characteristics of the bearer (such as height, weight, hair color, eye color, and sometimes even skin color), and birth date. No two driver's license numbers issued by a state are alike. Social Security numbers are becoming less common on driver's licenses, due to identity theft concerns.

The policy looks for a match to the content blade US Drivers Licenses.

## US Social Security Numbers

The U.S. Social Security number is issued to U.S. citizens, permanent residents, and temporary (working) residents under section 205(c)(2) of the Social Security Act, codified as 42 U.S.C. § 405(c)(2). The number is issued to an individual by the Social Security Administration, an independent agency of the United States government. Its primary purpose is to track individuals for taxation purposes.

### Utah SB-69

Utah SB-69 is a state data privacy law which protects personally identifiable information. Utah SB-69 was signed into law March 20, 2006 and became effective January 1, 2007. The law applies to any who owns or license computerized data that includes personally identifiable information concerning a Utah resident.

The policy looks for at least one match to personally identifiable information, which may include:

- Credit Card Number
- Credit Card Track Data
- US Drivers License Number
- US Social Security Number

### Vermont SB-284

Vermont SB-284 is a state data privacy law which protects personally identifiable information. Vermont SB-284 was signed into law May 18, 2006 and became effective January 1, 2007. The law applies to any data collector that owns or licenses unencrypted computerized data that includes personally identifiable information concerning an individual residing in Vermont.

The policy looks for at least one match to personally identifiable information, which may include:

- Credit Card Number
- Credit Card Track Data
- US Drivers License Number
- US Social Security Number

### Washington SB-6043

Washington SB-6043 is a state data privacy law which protects personally identifiable information. Washington SB-6043 was signed into law May 10, 2005 and became effective July 24, 2005. The law applies to any state or local agency or any person or business which conducts business in Washington and owns or licenses computerized data that includes personally identifiable information.

The policy looks for at least one match to personally identifiable information, which may include:

- Credit Card Number
- Credit Card Track Data

- US Drivers License Number
- US Social Security Number

## Data Security Content Blades

This sections lists the available content blades for NSX regulations.

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**Note** As of NSX 6.2.3, the NSX Data Security feature has been deprecated. In NSX 6.2.3, you can continue to use this feature at your discretion, but be aware that this feature will be removed from NSX in a future release.

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### ABA Routing Number Content Blade

The content blade looks for matches to 3 pieces of information in close proximity of each other.

The content blade looks for:

- ABA routing number
- Banking words and phrases (e.g. aba, routing number, checking, savings)
- Personally identifiable information (e.g. name, address, phone number)

Words and phrases related to banking are implemented in order to increase precision. A routing number is 9-digits and may pass for many different data types, for example, a valid US Social Security number, Canadian Social Insurance number or international telephone number.

Since routing numbers themselves are not sensitive, personally identifiable information is necessary for a violation to occur.

### Admittance and Discharge Dates Content Blade

The content blade looks for matches to the U. S. Date Format entity and words and phrases such as admit date, admittance date, date of discharge, discharge date in close proximity to each other.

### Alabama Drivers License Content Blade

The content blade looks for matches to the Alabama driver's license pattern and words and phrases such as driver's license and license number and, optionally, terms such as AL or Alabama.

#### Driver's license pattern

7 Numeric or 8 Numeric

### Alaska Drivers License Content Blade

The content blade looks for matches to the Alaska driver's license pattern and words and phrases such as driver's license and license number and, optionally, terms such as AK or Alaska.

### **Driver's license pattern:**

7 Numeric

## **Alberta Drivers License Content Blade**

The content blade looks for matches to the Alberta driver's license pattern and words and phrases such as driver's license and license number and, optionally, terms such as AB or Alberta.

### **Driver's license pattern**

7 Numeric

## **Alaska Drivers License Content Blade**

The content blade looks for matches to the Alaska driver's license pattern and words and phrases such as driver's license and license number and, optionally, terms such as AK or Alaska.

### **Driver's license pattern:**

7 Numeric

## **Alberta Drivers License Content Blade**

The content blade looks for matches to the Alberta driver's license pattern and words and phrases such as driver's license and license number and, optionally, terms such as AB or Alberta.

### **Driver's license pattern**

7 Numeric

## **American Express Content Blade**

The content blade looks for a combination of the following pieces of information.

- More than one American Express credit card number
- A single credit card number plus words and phrases such as ccn, credit card, expiration date
- A single credit card number plus an expiration date

## **Arizona Drivers License Content Blade**

The content blade looks for matches to the Arizona driver's license pattern and words and phrases such as driver's license and license number and, optionally, terms such as AZ or Arizona.

The Driver's license pattern can be 1 Alphabetic, 8 Numeric; or 9 Numeric (SSN); or 9 Numeric (Unformatted SSN).

## Arkansas Drivers License Content Blade

The content blade looks for matches to the Arkansas driver's license pattern and words and phrases such as driver's license and license number and, optionally, terms such as AR or Arkansas.

Driver's license pattern can be 9, 8 Numeric.

## Australia Bank Account Number Content Blade

The Australian bank account number itself is not sensitive, but identifies a bank account, without identifying the bank branch. Therefore, both the account number and branch information must exist for the document to be considered sensitive.

The content blade looks for matches to both:

- An Australian bank account number
- Words and phrases related to bank state branch or BSB.

It also uses a regular expression rule to differentiate between telephone numbers of the same length.

An Australian bank account number is 6 to 10-digits without any embedded meaning. It has no check digit routine.

## Australia Business Number Content Blade

The content blade looks for matches to both pieces of information in close proximity to each other.

- Australia Business Number
- ABN words and phrases (e.g. ABN, Australia business number)

## Australia Company Number Content Blade

The content blade looks for matches to both pieces of information in close proximity to each other.

- Australia Company Number
- ACN words and phrases (e.g. ACN, Australia Company Number)

## Australia Medicare Card Number Content Blade

The content blade will match if one of the following combinations of information appears in a document.

- More than one Australia Medicare Card Number
- One Medicare card number plus Medicare or patient identification terms (e.g. patient identifier, patient number)
- One Medicare card number plus two of either a name, expiration date or expiration terms

## Australia Tax File Number Content Blade

The content blade looks for matches to both pieces of information in high proximity to each other.

- Australia Tax File Number (refer to entity description)
- Tax file number words and phrases (e.g. TFN, tax file number)

## California Drivers License Number Content Blade

The content blade looks for matches to the California driver's license pattern and words and phrases such as driver's license and license number and terms such as CA or California.

The Driver's license pattern is 1 Alphabetic, 7 Numeric.

## Canada Drivers License Number Content Blade

The content blade is only a container file for child content blades. The content blades assigned to it separately look for driver's licenses in individual providences and territories.

## Canada Social Insurance Number Content Blade

The content blade is only a container file for child content blades. The content blades assigned to it separately look for formatted and unformatted versions of the Canadian Social Insurance numbers plus personal information so different rules may be assigned to them. The formatted version of the Social Insurance number is a more specific pattern, so the rules are less strict for retuning a match. However, the unformatted version is very general and matches to many common numbers.

## Colorado Drivers License Number Content Blade

The content blade looks for matches to the Colorado driver's license pattern and words and phrases such as driver's license and license number and terms such as CO or Colorado.

The driver's license pattern is 9 Numeric.

## Connecticut Drivers License Number Content Blade

The content blade looks for matches to the Connecticut driver's license pattern and words and phrases such as driver's license and license number and terms such as CT or Connecticut.

Driver's license pattern: 9 Numeric, 1st two positions are month of birth in odd or even year. 01-12 Jan-Dec odd years, 13-24 Jan-Dec even years, 99 unknown.

## Credit Card Number Content Blade

The content blade looks for a combination of the following pieces of information.

- More than one credit card number
- A single credit card number plus words and phrases such as ccn, credit card, expiration date

- A single credit card number plus an expiration date

## Credit Card Track Data Content Blade

Track data is the information encoded and stored on two tracks located within the magnetic stripe on the back of a credit card (debit card, gift card, etc). There are three tracks on the magstripe (magnetic strip on the back of a credit card).

Each track is .110-inch wide. The ISO/IEC standard 7811, which is used by banks, specifies:

- Track one is 210 bits per inch (bpi), and holds 79 six-bit plus parity bit read-only characters.
- Track two is 75 bpi, and holds 40 four-bit plus parity bit characters.
- Track three is 210 bpi, and holds 107 four-bit plus parity bit characters.

Your credit card typically uses only tracks one and two. Track three is a read/write track (that includes an encrypted PIN, country code, currency units, amount authorized), but its usage is not standardized among banks.

This content blade requires a match to the Credit Card Track Data entity.

## Custom Account Number Content Blade

The Custom Accounts content blade is an editable blade and should contain a regular expression for an organization's custom account patterns.

## Delaware Drivers License Number Content Blade

The content blade looks for matches to the Delaware driver's license pattern and words and phrases such as driver's license and license number and terms such as DE or Delaware.

## EU Debit Card Number Content Blade

The content blade looks for patterns of the major European Union debit card numbers.

The content blade will match with a combination of the following pieces of information in close proximity, if either:

- More than one match to a EU debit card number
- A single match to a EU debit card number plus two of either a word or phrase for credit card (e.g. card number or cc#), credit card security, expiration date or name
- A single match to a EU debit card number with an expiration date

## Florida Drivers License Number Content Blade

The content blade looks for matches to the Florida driver's license pattern and words and phrases such as driver's license and license number and terms such as FL or Florida.

Driver's license pattern: 1 Alphabetic, 12 Numeric.

## France Driving License Number Content Blade

The content blade requires the following to match for a French driving license in a close proximity.

- French driving license pattern
- Either words or phrases for a driving license (e.g. driving license, permis de conduire) or E.U. date format

## France BIC Number Content Blade

The content blade scans for French BIC numbers by requiring matches for both the following rules.

- European BIC number format
- French format of the BIC number

## France IBAN Number Content Blade

The content blade requires the following to match for a French IBAN number in a close proximity.

- European IBAN number format
- French IBAN number pattern

## France National Identification Number Content Blade

The content blade requires the following to match for a French National Identification number in a close proximity.

- More than one match to the French National Identification pattern
- One match to the French National Identification pattern plus either words or phrases for a social security number (e

## France VAT Number Content Blade

The content blade requires a match for a French value added tax (VAT) number pattern in a close proximity to the abbreviation FR.

## Georgia Drivers License Number Content Blade

The content blade looks for matches to the Georgia driver's license pattern and words and phrases such as driver's license and license number and terms such as GA or Georgia.

Driver's license pattern: 7-9 Numeric; or Formatted SSN.

## Germany BIC Number Content Blade

The content blade scans for German BIC numbers by requiring matches for both the following rules.

- European BIC number format

- German format of the BIC number

## Germany Driving License Number Content Blade

The content blade requires the following to match for a German driving license in a close proximity.

- German driving license pattern
- Words or phrases related to a driving license (e.g. driving license, ausstellungsdatum)

## Germany IBAN Number Content Blade

The content blade requires the following to match for a German IBAN number in a close proximity.

- European IBAN number format
- German IBAN number pattern

The German IBAN rule: "DE" country code followed by 22 digits.

## Germany National Identification Numbers Content Blade

The content blade requires the following to match for a German National Identification number in a close proximity.

- Either a German National Identification number or a machine-readable version of the number
- Words or phrases for a German National Identification number (e.g. personalausweis, personalausweisnummer)

## Germany Passport Number Content Blade

The content blade requires the following to match for a German passport number in a close proximity.

- Either a German passport number or a machine-readable version of the number
- Words or phrases for a German passport number or issuance date (e.g. reiseepass, ausstellungsdatum)

## Germany VAT Number Content Blade

The content blade requires a match for a German value added tax (VAT) number pattern (refer to entity description) in a close proximity to the abbreviation DE.

## Group Insurance Numbers Content Blade

This is a content blade that requires customization. To use this content blade, add a regular expression to match the number pattern for an organization's Group Insurance Number. The content blade looks for matches to words and phrases such as group insurance or a name, U.S. address or U.S. date in combination with the custom regular expression.

## Hawaii Drivers License Number Content Blade

The content blade looks for matches to the Hawaii driver's license pattern and words and phrases such as driver's license and license number and terms such as HI or Hawaii.

Driver's license pattern: H Alphabetic, 8 Numeric; or SSN.

## Italy National Identification Numbers Content Blade

The content blade requires the following to match for an Italy National Identification number in a close proximity.

- 1 Italy National Identification number pattern
- 2 Words or phrases for an Italy National Identification number (e.g. codice fiscale, national identification)

National Identification Rule: 16 character alphanumeric code. where:

- SSS are the first three consonants in the family name (the first vowel and then an X are used if there are not enough consonants)
- NNN is the first name, of which the first, third and fourth consonants are used—exceptions are handled as in family names
- YY are the last digits of the birth year
- M is the letter for the month of birth—letters are used in alphabetical order, but only the letters A to E, H, L, M, P, R to T are used (thus, January is A and October is R)
- DD is the day of the month of birth—in order to differentiate between genders, 40 is added to the day of birth for women (thus a woman born on May 3 has ...E43...)
- ZZZZ is an area code specific to the municipality where the person was born—country-wide codes are used for foreign countries, a letter followed by three digits
- X is a parity character as calculated by adding together characters in the even and odd positions, and dividing them by 26. Numerical values are used for letters in even positions according to their alphabetical order. Characters in odd positions have different values. A letter is then used which corresponds to the value of the remainder of the division in the alphabet.

Pattern:

- *LLLLLLDDLDDLDDDL*
- *LLL LLL DDLDD LDDDL*

## Health Plan Beneficiary Numbers

This is a content blade that requires customization. To use this content blade, add a regular expression to identify recipients of health plan benefits and payments. The content blade looks for matches to words and phrases such as beneficiary or a name, U.S. address or U.S. date in combination with the custom regular expression.

## Idaho Drivers License Number Content Blade

The content blade looks for matches to the Idaho driver's license pattern and words and phrases such as driver's license and license number and terms such as ID or Idaho.

Driver's license pattern: 2 Alphabetic, 6 Numeric, 1 Alphabetic.

## Illinois Drivers License Number Content Blade

The content blade looks for matches to the Illinois driver's license pattern and words and phrases such as driver's license and license number and terms such as IL or Illinois.

Driver's license pattern: 1 Alphabetic, 11 Numeric.

## Indiana Drivers License Number Content Blade

The content blade looks for matches to the Indiana driver's license pattern and words and phrases such as driver's license and license number and terms such as IN or Indiana.

Driver's license pattern: 10 Numeric.

## Iowa Drivers License Number Content Blade

The content blade looks for matches to the Iowa driver's license pattern and words and phrases such as driver's license and license number and terms such as IA or Iowa.

Driver's license pattern can be 3 numeric, 2 alphabetic, 3 numeric; or Social Security Number.

## Index of Procedures Content Blade

The content blade looks for words and phrases related to medical procedures based on the International Classification of Diseases (ICD).

The content blade will match with a combination of the following pieces of information, either:

- More than one match to the Index of Procedures dictionary
- A single match to the Index of Procedures dictionary plus two of either a name, U.S. Address or U.S. Date
- A single match to the Index of Procedures dictionary with a patient or doctor identification word or phrase (e.g. patient ID, physician name)

## Italy Driving License Number Content Blade

The content blade requires the following to match for an Italy driving license in a close proximity.

- Italy driving license pattern
- Words or phrases for a driving license (e.g. driving license, patente di guida)

Driver's License Rule: 10 alphanumeric characters -- 2 letters, 7 numbers and a final letter. The first letter may only be characters A-V.

Driver's License Pattern:

- *LLDDDDDDDL*
- *LL DDDDDDD L*
- *LL-DDDDDDD-L*
- *LL - DDDDDDD - L*

## Italy IBAN Number Content Blade

The content blade requires the following to match for a Italy IBAN number in a close proximity.

- 1 IBAN words and phrases (e.g. International Bank Account Number, IBAN)
- 2 Italy IBAN number pattern

IBAN Rule: IT country code followed by 25 alphanumeric characters.

Pattern:

- *ITDDLDDDDDDDDDDAAAAAAAAAAAA*
- *IT DDL DDDDD DDDDD AAAAAAAAAAAAA*
- *IT DD LDDDDD DDDDD AAAAAAAAAAAAA*
- *IT DD L DDDDD DDDDD AAAAAAAAAAAAA*
- *IT DD LDDDDDDDDDDAAAAAAAAAAAA*
- *IT DD L DDDDDDDDDDDAAAAAAAAAAAA*
- *ITDD LDDD DDDD DDDA AAAA AAAA AAA*
- *IT DDL DDDDD DDDDD AAAAAA AAAAAA*
- *IT DDL DDD DDD DDD DAAA AAA AAAAAA*
- *IT DDL DDDDDDDDDDD AAAAAA AAAAAA*

Spaces may be substituted with dashes, forward slashes or colons.

## ITIN Unformatted Content Blade

The content blade looks for unformatted patterns of the U.S. Taxpayer Identification Number (ITIN). The content blade will match if an unformatted ITIN is found within close proximity of a word or phrase for an ITIN number (e.g. tax identification, ITIN).

ITIN Rule: 9-digit number that always begins with the number 9 and has a range of 70-88 in the fourth and fifth digit.

Pattern: *DDDDDDDDDD*

## Kansas Drivers License Number Content Blade

The content blade looks for matches to the Kansas driver's license pattern and words and phrases such as driver's license and license number and terms such as KS or Kansas.

Driver's license pattern: 1 Alphabetic (K), 8 Numeric; or Social Security Number.

## Kentucky Drivers License Number Content Blade

The content blade looks for matches to the Kentucky driver's license pattern and words and phrases such as driver's license and license number and terms such as KY or Kentucky.

Driver's license pattern: 1 Alphabetic, 8 Numeric; or Social Security Number.

## Louisiana Drivers License Number Content Blade

The content blade looks for matches to the Louisiana driver's license pattern and words and phrases such as driver's license and license number and terms such as LA or Louisiana.

Driver's license pattern: 2 Zeros, 7 Numeric.

## Maine Drivers License Number Content Blade

The content blade looks for matches to the Maine driver's license pattern and words and phrases such as driver's license and license number and terms such as ME or Maine.

Driver's license pattern: 7 Numeric, optional alphabetic X.

## Manitoba Drivers Licence Content Blade

The content blade looks for matches to the Manitoba driver's license pattern and words and phrases such as driver's licence and permis de conduire plus terms such as MB or Manitoba in a close proximity.

License pattern rules: 12 alphanumeric characters that may be hyphen-separated, where:

- 1st character is a letter
- 2nd - 5th characters are a letter or asterisk
- 6th character is a letter
- 7th - 10th characters are digits
- 11th character is a letter
- 12th character is a letter or digit

or

- 1st character is a letter
- 2nd - 4th characters are a letter or asterisk
- 5th - 6th characters are digits

- 7th - 12th characters are a letter or digit

Driver's license pattern:

- *LLLLLLDDDDLA*
- *LLLLLDAAAAA*

## Maryland Drivers License Number Content Blade

The content blade looks for matches to the Maryland driver's license pattern and words and phrases such as driver's license and license number and terms such as MD or Maryland.

Driver's license pattern: 1 Alphabetic, 12 Numeric

## Massachusetts Drivers License Number Content Blade

The content blade looks for matches to the Massachusetts driver's license pattern and words and phrases such as driver's license and license number and terms such as MA or Massachusetts.

Driver's license pattern: 1 Alphabetic (S), 8 Numeric; or Social Security Number

## Michigan Drivers License Number Content Blade

The content blade looks for matches to the Michigan driver's license pattern and words and phrases such as driver's license and license number and terms such as MI or Michigan.

Driver's license pattern: 1 Alphabetic, 12 Numeric

## Minnesota Drivers License Number Content Blade

The content blade looks for matches to the Minnesota driver's license pattern and words and phrases such as driver's license and license number and terms such as MN or Minnesota.

Driver's license pattern: 1 Alphabetic, 12 Numeric

## Mississippi Drivers License Number Content Blade

The content blade looks for matches to the Mississippi driver's license pattern and words and phrases such as driver's license and license number and terms such as MS or Mississippi.

Driver's license pattern: 9 Numeric; or Formatted Social Security Number

## Missouri Drivers License Number Content Blade

The content blade looks for matches to the Missouri driver's license pattern and words and phrases such as driver's license and license number and terms such as MO or Missouri

Driver's license pattern: 1 Alphabetic, 6-9 Numeric; or 9 Numeric; or Formatted Social Security Number

## Montana Drivers License Number Content Blade

The content blade looks for matches to the Montana driver's license pattern and words and phrases such as driver's license and license number and terms such as MT or Montana.

Driver's license pattern: 9 Numeric (SSN); or 1 Alphabetic, 1 Numeric, 1 Alphanumeric, 2 Numeric, 3 Alphabetic and 1 Numeric; or 13 Numeric

## NDC Formulas Dictionary Content Blade

The content blade looks for words and phrases related to formulas based on the National Drug Codes (NDC).

The content blade will match with a combination of the following pieces of information, either:

- 1 More than one match to the NDC Formulas dictionary
- 2 A single match to the NDC Formulas dictionary plus two of either a name, U.S. Address or U.S. Date
- 3 A single match to the NDC Formulas dictionary with a patient or doctor identification word or phrase (e.g. patient ID, physician name)

## Nebraska Drivers License Number Content Blade

The content blade looks for matches to the Nebraska driver's license pattern and words and phrases such as driver's license and license number and terms such as NE or Nebraska.

Driver's license pattern: 1 Alphabetic , 8 Numeric

## Netherlands Driving License Number Content Blade

The content blade requires the following to match for a Netherlands driving license in a close proximity.

- 1 Netherlands driving license pattern (refer to entity description)
- 2 Words or phrases for a driving license (e.g. driving license, rijbewijs)

## Netherlands IBAN Number Content Blade

The content blade requires the following to match for a Netherlands IBAN number in a close proximity.

- 1 IBAN words and phrases (e.g. International Bank Account Number, IBAN)
- 2 Netherlands IBAN number pattern

IBAN Rule: NL country code followed by 16 alphanumeric characters.

Pattern:

- *NLDDLLLLDDDDDDDDDD*
- *NL DDLLLLDDDDDDDDDD*
- *NL DD LLLL DDDDDDDDDDD*

- *NL DD LLLL DDDD DDDD DD*
- *NLDD LLLL DDDD DDDD DD*
- *NLDDLLLL DDDD DDDDDD*
- *NLDD LLLL DDDDDDDDDD*
- *NL DD LLLL D DD DD DD DDD*
- *NL DD LLLL DD DD DD DDDD*
- *NL DD LLLL DDD DDDDDDD*
- *NL DD LLLL DDDD DD DD DD*

Spaces may be substituted with dashes

## Netherlands National Identification Numbers Content Blade

The content blade requires the following to match for a Netherlands National Identification number in a close proximity.

- 1 Netherlands National Identification number (refer to entity description)
- 2 Words or phrases for a Netherlands National Identification number (e.g. sofinummer, burgerservicenummer)

## Netherlands Passport Number Content Blade

The content blade requires the following to match for a Netherlands passport number in a close proximity.

- 1 Netherlands passport number (refer to entity description)
- 2 Words or phrases for a Netherlands passport number (e.g. paspoort , Noodpaspoort)

## Nevada Drivers License Number Content Blade

The content blade looks for matches to the Nevada driver's license pattern and words and phrases such as driver's license and license number and terms such as NV or Nevada.

Driver's license pattern: 9 Numeric (SSN); or 12 Numeric (last 2 are year of birth), or 10 numeric

## New Brunswick Drivers Licence Content Blade

The content blade looks for matches to the New Brunswick driver's license pattern and words and phrases such as driver's licence and permis de conduire plus terms such as NB or New Brunswick in a close proximity.

License pattern rules: 5 - 7 digits

Driver's license pattern:

- *DDDDD*
- *DDDDDD*

- *DDDDDDD*

## **New Hampshire Drivers License Number Content Blade**

The content blade looks for matches to the New Hampshire driver's license pattern and words and phrases such as driver's license and license number and terms such as NH or New Hampshire.

Driver's license pattern: 2 Numeric, 3 Alphabetic, 5 Numeric

## **New Jersey Drivers License Number Content Blade**

The content blade looks for matches to the New Jersey driver's license pattern and words and phrases such as driver's license and license number and terms such as NJ or New Jersey.

Driver's license pattern: 1 Alphabetic, 14 Numeric

## **New Mexico Drivers License Number Content Blade**

The content blade looks for matches to the New Mexico driver's license pattern and words and phrases such as driver's license and license number and terms such as NM or New Mexico.

Driver's license pattern: 9 Numeric

## **New York Drivers License Number Content Blade**

The content blade looks for matches to the New York driver's license pattern and words and phrases such as driver's license and license number and terms such as NY or New York.

Driver's license pattern: 9 Numeric

## **New Zealand Health Practitioner Index Number Content Blade**

The content blade looks for matches to the New Zealand Health Practitioner Index entity and corroborative terms such as hpi-cpn or health practitioner index.

## **New Zealand Inland Revenue Department Number**

The content blade looks for matches to the New Zealand Inland Revenue Department Number entity and words and phrases such as IRD Number or Inland Revenue Department Number.

## **New Zealand National Health Index Number Content Blade**

The content blade looks for matches to the New Zealand National Health Index entity and corroborative terms such as nhi or National Health index.

## Newfoundland and Labrador Drivers Licence Content Blade

The content blade looks for matches to the Newfoundland and Labrador driver's license pattern and words and phrases such as driver's licence and permis de conduire plus terms such as NL or Labrador in a close proximity.

License pattern rules: 1 letter followed by 9 digits

Driver's license pattern: *LDDDDDDDDD*

## North Carolina Drivers License Number Content Blade

The content blade looks for matches to the North Carolina driver's license pattern and words and phrases such as driver's license and license number and terms such as NC or North Carolina.

Driver's license pattern: 6 - 8 Numeric

## North Dakota Drivers License Number Content Blade

The content blade looks for matches to the North Dakota driver's license pattern and words and phrases such as driver's license and license number and terms such as ND or North Dakota.

Driver's license pattern: 9 Numeric; or 3 Alphabetic, 6 Numeric

## Nova Scotia Drivers Licence Content Blade

The content blade looks for matches to the Nova Scotia driver's license pattern and words and phrases such as driver's licence and permis de conduire plus terms such as NS or Nova Scotia in a close proximity.

License pattern rules: 5 letters followed by 9 digits

Driver's license pattern: *LLLLDDDDDDDD*

## Ohio Drivers License Number Content Blade

The content blade looks for matches to the Ohio driver's license pattern and words and phrases such as driver's license and license number and terms such as OH or Ohio.

Driver's license pattern: 2 Alphabetic, 6 Numeric

## Oklahoma License Number Content Blade

The content blade looks for matches to the Oklahoma driver's license pattern and words and phrases such as driver's license and license number and terms such as OK or Oklahoma.

Driver's license pattern: 1 Alphabetic, 8 Numeric; or 9 Numeric; or Social Security Number, Formatted

## Ontario Drivers Licence Content Blade

The content blade looks for matches to the Ontario driver's license pattern and words and phrases such as driver's licence and permis de conduire plus terms such as ON or Ontario in a close proximity.

License pattern rules: 1 letter followed by 14 digits

Driver's license pattern: *LDDDDDDDDDDDDDD*

## Oregon License Number Content Blade

The content blade looks for matches to the Oregon driver's license pattern and words and phrases such as driver's license and license number and terms such as OR or Oregon.

Driver's license pattern: 6 -7 Numeric

## Patient Identification Numbers Content Blade

This is a content blade that requires customization. To use this content blade, add a regular expression for a company-specific Patient Identification Number pattern. The content blade looks for matches to words and phrases such as patient id or a name, U.S. address or U.S. date in combination with the custom regular expression.

## Pennsylvania License Number Content Blade

The content blade looks for matches to the Pennsylvania driver's license pattern and words and phrases such as driver's license and license number and terms such as PA or Pennsylvania.

Driver's license pattern: 8 Numeric

## Prince Edward Island Drivers Licence Content Blade

The content blade looks for matches to the Prince Edward Island driver's license pattern and words and phrases such as driver's licence and permis de conduire plus terms such as PE or Prince Edward Island in a close proximity.

License pattern rules: 5 - 6 digits

Driver's license pattern:

- *DDDD*
- *DDDDDD*

## Protected Health Information Terms Content Blade

The content blade looks for words and phrases related to personal health records and health insurance claims.

The content blade will match with a combination of the following pieces of information, either:

- 1 More than one match to the Protected Health Information dictionary
- 2 A single match to the Protected Health Information dictionary plus two of either a name, U.S. Address or U.S. Date
- 3 A single match to the Protected Health Information dictionary with a patient or doctor identification word or phrase (e.g. patient ID, physician name)

## Quebec Drivers Licence Content Blade

The content blade looks for matches to the Quebec driver's license pattern and words and phrases such as driver's licence and permis de conduire plus terms such as QC or Quebec in a close proximity.

License pattern rules: 1 letter followed by 12 digits

Driver's license pattern: LDDDDDDDDDDDD

## Rhode Island License Number Content Blade

The content blade looks for matches to the Rhode Island driver's license pattern and words and phrases such as driver's license and license number and terms such as RI or Rhode Island.

Driver's license pattern: 7 Numeric

## Saskatchewan Drivers Licence Content Blade

The content blade looks for matches to the Saskatchewan driver's license pattern and words and phrases such as driver's licence and permis de conduire plus terms such as SK or Saskatchewan in a close proximity.

License pattern rules: 8 digits

License pattern: DDDDDDDD

## SIN Formatted Content Blade

The content blade looks for formatted patterns of the Canadian Social Insurance number (SIN).

The content blade will match with a combination of the following pieces of information in medium proximity, either:

- 1 More than one match to a formatted SIN
- 2 A single match to a formatted SIN plus a driver's license or date of birth word or phrase
- 3 A single match to a formatted SIN with word or p

## SIN Unformatted Content Blade

The content blade looks for unformatted patterns of the Canadian Social Insurance (SIN). The content blade will match if an unformatted SIN is found within close proximity of a word or phrase for a Social Insurance number (e.g. Social Insurance, SIN) or driver's license or date of birth.

## SSN Formatted Content Blade

### SSN Formatted Content Blade

The content blade will match with a combination of the following pieces of information in medium proximity, either:

- More than one match to a formatted SSN
- A single match to a formatted SSN plus two of either a name, U.S. Address or U.S. Date
- A single match to a formatted SSN with word or phrase for a Social Security number (e.g. Social Security, SSN)

## SSN Unformatted Content Blade

The content blade looks for unformatted patterns of the U.S. Social Security number (SSN). The content blade will match if an unformatted SSN is found within close proximity of a word or phrase for a Social Security number (e.g. Social Security, SSN).

## South Carolina License Number Content Blade

The content blade looks for matches to the South Carolina driver's license pattern and words and phrases such as driver's license and license number and terms such as SC or South Carolina.

Driver's license pattern: 9 Numeric

## South Dakota License Number Content Blade

The content blade looks for matches to the South Dakota driver's license pattern and words and phrases such as driver's license and license number and terms such as SD or South Dakota.

Driver's license pattern: 8 Numeric; or Social Security Number

## Spain National Identification Number Content Blade

The content blade looks for matches to the Spain National Identification Number entity and words and phrases such as Documento Nacional de Identidad and Número de Identificación de Extranjeros. It also uses regular expressions to differentiate between telephone numbers and to prevent double counting of DNIs and NIEs without check letters.

## Spain Passport Number Content Blade

The content blade looks for matches to the Spain Passport Number and words and phrases such as pasaporte or passport.

Passport Rule: 8 alphanumeric characters -- 2 letters followed by 6 digits.

Pattern:

LLDDDDDD

LL-DDDDDD

LL DDDDDD

## Spain Social Security Number Content Blade

The content blade requires the following to match for a Spain Social Security number in a close proximity.

- 1 Spain Social Security number
- 2 Words or phrases for a social security number (e.g. número de la seguridad social, social security number)

## Sweden IBAN Number Content Blade

The content blade requires the following to match for a Sweden IBAN number in a close proximity.

- 1 IBAN words and phrases (e.g. International Bank Account Number, IBAN)
- 2 Sweden IBAN number pattern

IBAN Rule: SE country code followed by 22 digits.

Pattern: SE DDDDDDDDDDDDDDDDDDDDDDDDD

## Sweden Passport Number Content Blade

The content blade looks for matches to the Sweden Passport Number regular expression with the following possible combinations of supporting evidence.

- 1 Words and phrases for passport such as Passnummer
- 2 Words and phrases for the country Sweden, nationality and expiry dates

Passport Rule: 8 digits

Pattern:

DDDDDDDD

DD-DDDDDD

LL-DDDDDD

## Tennessee License Number Content Blade

The content blade looks for matches to the Texas driver's license pattern and words and phrases such as driver's license and license number and terms such as TX or Texas.

Driver's license pattern: 8 Numeric

## UK BIC Number Content Blade

The content blade scans for UK BIC numbers by requiring matches for both rules.

- 1 European BIC number format
- 2 UK format of the BIC number

BIC rule: 8 or 11 alphanumeric characters. Letters 5th and 6th will always have “GB” as the ISO 3166-1 alpha-2 country code.

Pattern:

LLLLLLAAA  
LLLLLLAAAAA  
LLLLLLAA-AAA  
LLLLLLAA AAA  
LLLLLL AA AAA  
LLLL LL AA AAA  
LLLL LL AA-AAA

## UK Driving License Number Content Blade

The content blade requires the following to match for a UK driving license in a close proximity.

- 1 UK driving license pattern
- 2 Either words or phrases for a driving license (e.g. driving license) or personal identification (e.g. date of birth, address, telephone)

Driving license rule: 16 - 18 alphanumeric characters and begins with a letter.

Pattern:

LAAAADDDDDLLDLLDD

Some digits are limited in the values accepted.

## UK IBAN Number Content Blade

The content blade requires the following to match for a UK IBAN number in a close proximity.

- 1 European IBAN number format
- 2 UK IBAN number pattern

IBAN Rule: "GB" country code followed by 20 characters.

GB, ISO country code

2 Digits (numeric characters 0 to 9 only) , Check Digits (IBAN)

4 Upper case letters (A-Z only), Bank Identifier Digits

6 Digits (numeric characters 0 to 9 only), Bank branch code

8 Digits (numeric characters 0 to 9 only), Account number

Pattern:

GBDDL LLL LDDDDDDDDDDDDDDDD

GB DD LLLL DDDD DDDD DDDD DD

GB DD LLLL DDDDDD DDDDDDDD

## UK National Health Service Number Content Blade

The content blade requires the following to match for a UK National Health Service number in a close proximity.

- 1 UK National Health Service number format
- 2 Words and phrases relating to the National Health Service or patient identification or date of birth

## UK NINO Formal Content Blade

The content blade looks for the formal pattern of the UK National Insurance number (NINO).

The content blade will match with a combination of the following pieces of information in high proximity, either:

- 1 More than one match to a NINO formal pattern
- 2 A single match to a NINO formal with word or phrase for a National Insurance number (e.g. NINO, taxpayer number)

## UK Passport Number Content Blade

The content blade looks for matches to one of the U.K. passport number entities with the following supporting evidence.

- 1 Words and phrases for passport such as passport or a national passport code preceding a passport number
- 2 Words and phrases for the country, U.K, or the date of issue (optional match)

## Utah License Number Content Blade

The content blade looks for matches to the Utah driver's license pattern and words and phrases such as driver's license and license number and terms such as UT or Utah.

Driver's license pattern: 6 - 10 Numeric

## Virginia License Number Content Blade

The content blade looks for matches to the Virginia driver's license pattern and words and phrases such as driver's license and license number and terms such as VA or Virginia.

Driver's license pattern: 1 Alphanumeric, 8 Numeric

## Visa Card Number Content Blade

The content blade looks for a combination of the following pieces of information, either:

- 1 More than one JCB credit card number
- 2 A single credit card number plus words and phrases such as ccn, credit card, expiration date
- 3 A single credit card number plus an expiration date

## Washington License Number Content Blade

The content blade looks for matches to the Washington driver's license pattern and words and phrases such as driver's license and license number and terms such as WA or Washington.

Driver's license pattern: 5 Alphanumeric (last name), 1 Alphanumeric (first name), 1 Alphanumeric (middle name), 3 Numeric, 2 Alphanumeric. If last or middle name field falls short, fill with \*s.

## Wisconsin License Number Content Blade

The content blade looks for matches to the Wisconsin driver's license pattern and words and phrases such as driver's license and license number and terms such as WI or Wisconsin.

Driver's license pattern: 1 Alphanumeric, 13 Numeric

## Wyoming License Number Content Blade

The content blade looks for matches to the Wyoming driver's license pattern and words and phrases such as driver's license and license number and terms such as WY or Wyoming.

Driver's license pattern: 9 - 10 Numeric

# Data Security Content Blades

This section lists the available content blades for NSX regulations.

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**Note** As of NSX 6.2.3, the NSX Data Security feature has been deprecated. In NSX 6.2.3, you can continue to use this feature at your discretion, but be aware that this feature will be removed from NSX in a future release.

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This chapter includes the following topics:

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- [Admittance and Discharge Dates Content Blade](#)
- [Alabama Drivers License Content Blade](#)
- [Alaska Drivers License Content Blade](#)
- [Alberta Drivers License Content Blade](#)
- [American Express Content Blade](#)
- [Arizona Drivers License Content Blade](#)
- [Arkansas Drivers License Content Blade](#)
- [Australia Bank Account Number Content Blade](#)
- [Australia Business Number Content Blade](#)
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- [Visa Card Number Content Blade](#)
- [Washington License Number Content Blade](#)
- [Wisconsin License Number Content Blade](#)
- [Wyoming License Number Content Blade](#)

## ABA Routing Number Content Blade

The content blade looks for matches to 3 pieces of information in close proximity of each other.

The content blade looks for:

- ABA routing number
- Banking words and phrases (e.g. aba, routing number, checking, savings)
- Personally identifiable information (e.g. name, address, phone number)

Words and phrases related to banking are implemented in order to increase precision. A routing number is 9-digits and may pass for many different data types, for example, a valid US Social Security number, Canadian Social Insurance number or international telephone number.

Since routing numbers themselves are not sensitive, personally identifiable information is necessary for a violation to occur.

## Admittance and Discharge Dates Content Blade

The content blade looks for matches to the U. S. Date Format entity and words and phrases such as admit date, admittance date, date of discharge, discharge date in close proximity to each other.

## Alabama Drivers License Content Blade

The content blade looks for matches to the Alabama driver's license pattern and words and phrases such as driver's license and license number and, optionally, terms such as AL or Alabama.

### Driver's license pattern

7 Numeric or 8 Numeric

## Alaska Drivers License Content Blade

The content blade looks for matches to the Alaska driver's license pattern and words and phrases such as driver's license and license number and, optionally, terms such as AK or Alaska.

### Driver's license pattern:

7 Numeric

## Alberta Drivers License Content Blade

The content blade looks for matches to the Alberta driver's license pattern and words and phrases such as driver's license and license number and, optionally, terms such as AB or Alberta.

## Driver's license pattern

7 Numeric

## American Express Content Blade

The content blade looks for a combination of the following pieces of information.

- More than one American Express credit card number
- A single credit card number plus words and phrases such as ccn, credit card, expiration date
- A single credit card number plus an expiration date

## Arizona Drivers License Content Blade

The content blade looks for matches to the Arizona driver's license pattern and words and phrases such as driver's license and license number and, optionally, terms such as AZ or Arizona.

The Driver's license pattern can be 1 Alphabetic, 8 Numeric; or 9 Numeric (SSN); or 9 Numeric (Unformatted SSN).

## Arkansas Drivers License Content Blade

The content blade looks for matches to the Arkansas driver's license pattern and words and phrases such as driver's license and license number and, optionally, terms such as AR or Arkansas.

Driver's license pattern can be 9, 8 Numeric.

## Australia Bank Account Number Content Blade

The Australian bank account number itself is not sensitive, but identifies a bank account, without identifying the bank branch. Therefore, both the account number and branch information must exist for the document to be considered sensitive.

The content blade looks for matches to both:

- An Australian bank account number
- Words and phrases related to bank state branch or BSB.

It also uses a regular expression rule to differentiate between telephone numbers of the same length.

An Australian bank account number is 6 to 10-digits without any embedded meaning. It has no check digit routine.

## Australia Business Number Content Blade

The content blade looks for matches to both pieces of information in close proximity to each other.

- Australia Business Number

- ABN words and phrases (e.g. ABN, Australia business number)

## Australia Company Number Content Blade

The content blade looks for matches to both pieces of information in close proximity to each other.

- Australia Company Number
- ACN words and phrases (e.g. ACN, Australia Company Number)

## Australia Medicare Card Number Content Blade

The content blade will match if one of the following combinations of information appears in a document.

- More than one Australia Medicare Card Number
- One Medicare card number plus Medicare or patient identification terms (e.g. patient identifier, patient number)
- One Medicare card number plus two of either a name, expiration date or expiration terms

## Australia Tax File Number Content Blade

The content blade looks for matches to both pieces of information in high proximity to each other.

- Australia Tax File Number (refer to entity description)
- Tax file number words and phrases (e.g. TFN, tax file number)

## California Drivers License Number Content Blade

The content blade looks for matches to the California driver's license pattern and words and phrases such as driver's license and license number and terms such as CA or California.

The Driver's license pattern is 1 Alphabetic, 7 Numeric.

## Canada Drivers License Number Content Blade

The content blade is only a container file for child content blades. The content blades assigned to it separately look for driver's licenses in individual providences and territories.

## Canada Social Insurance Number Content Blade

The content blade is only a container file for child content blades. The content blades assigned to it separately look for formatted and unformatted versions of the Canadian Social Insurance numbers plus personal information so different rules may be assigned to them. The formatted version of the Social Insurance number is a more specific pattern, so the rules are less strict for retuning a match. However, the unformatted version is very general and matches to many common numbers.

## Colorado Drivers License Number Content Blade

The content blade looks for matches to the Colorado driver's license pattern and words and phrases such as driver's license and license number and terms such as CO or Colorado.

The driver's license pattern is 9 Numeric.

## Connecticut Drivers License Number Content Blade

The content blade looks for matches to the Connecticut driver's license pattern and words and phrases such as driver's license and license number and terms such as CT or Connecticut.

Driver's license pattern: 9 Numeric, 1st two positions are month of birth in odd or even year. 01-12 Jan-Dec odd years, 13-24 Jan-Dec even years, 99 unknown.

## Credit Card Number Content Blade

The content blade looks for a combination of the following pieces of information.

- More than one credit card number
- A single credit card number plus words and phrases such as ccn, credit card, expiration date
- A single credit card number plus an expiration date

## Credit Card Track Data Content Blade

Track data is the information encoded and stored on two tracks located within the magnetic stripe on the back of a credit card (debit card, gift card, etc). There are three tracks on the magstripe (magnetic strip on the back of a credit card).

Each track is .110-inch wide. The ISO/IEC standard 7811, which is used by banks, specifies:

- Track one is 210 bits per inch (bpi), and holds 79 six-bit plus parity bit read-only characters.
- Track two is 75 bpi, and holds 40 four-bit plus parity bit characters.
- Track three is 210 bpi, and holds 107 four-bit plus parity bit characters.

Your credit card typically uses only tracks one and two. Track three is a read/write track (that includes an encrypted PIN, country code, currency units, amount authorized), but its usage is not standardized among banks.

This content blade requires a match to the Credit Card Track Data entity.

## Custom Account Number Content Blade

The Custom Accounts content blade is an editable blade and should contain a regular expression for an organization's custom account patterns.

## Delaware Drivers License Number Content Blade

The content blade looks for matches to the Delaware driver's license pattern and words and phrases such as driver's license and license number and terms such as DE or Delaware.

## EU Debit Card Number Content Blade

The content blade looks for patterns of the major European Union debit card numbers.

The content blade will match with a combination of the following pieces of information in close proximity, if either:

- More than one match to a EU debit card number
- A single match to a EU debit card number plus two of either a word or phrase for credit card (e.g. card number or cc#), credit card security, expiration date or name
- A single match to a EU debit card number with an expiration date

## Florida Drivers License Number Content Blade

The content blade looks for matches to the Florida driver's license pattern and words and phrases such as driver's license and license number and terms such as FL or Florida.

Driver's license pattern: 1 Alphabetic, 12 Numeric.

## France Driving License Number Content Blade

The content blade requires the following to match for a French driving license in a close proximity.

- French driving license pattern
- Either words or phrases for a driving license (e.g. driving license, permis de conduire) or E.U. date format

## France BIC Number Content Blade

The content blade scans for French BIC numbers by requiring matches for both the following rules.

- European BIC number format
- French format of the BIC number

## France IBAN Number Content Blade

The content blade requires the following to match for a French IBAN number in a close proximity.

- European IBAN number format
- French IBAN number pattern

## France National Identification Number Content Blade

The content blade requires the following to match for a French National Identification number in a close proximity.

- More than one match to the French National Identification pattern
- One match to the French National Identification pattern plus either words or phrases for a social security number (e

## France VAT Number Content Blade

The content blade requires a match for a French value added tax (VAT) number pattern in a close proximity to the abbreviation FR.

## Georgia Drivers License Number Content Blade

The content blade looks for matches to the Georgia driver's license pattern and words and phrases such as driver's license and license number and terms such as GA or Georgia.

Driver's license pattern: 7-9 Numeric; or Formatted SSN.

## Germany BIC Number Content Blade

The content blade scans for German BIC numbers by requiring matches for both the following rules.

- European BIC number format
- German format of the BIC number

## Germany Driving License Number Content Blade

The content blade requires the following to match for a German driving license in a close proximity.

- German driving license pattern
- Words or phrases related to a driving license (e.g. driving license, ausstellungsdatum)

## Germany IBAN Number Content Blade

The content blade requires the following to match for a German IBAN number in a close proximity.

- European IBAN number format
- German IBAN number pattern

The German IBAN rule: "DE" country code followed by 22 digits.

## Germany National Identification Numbers Content Blade

The content blade requires the following to match for a German National Identification number in a close proximity.

- Either a German National Identification number or a machine-readable version of the number
- Words or phrases for a German National Identification number (e.g. personalausweis, personalausweisnummer)

## Germany Passport Number Content Blade

The content blade requires the following to match for a German passport number in a close proximity.

- Either a German passport number or a machine-readable version of the number
- Words or phrases for a German passport number or issuance date (e.g. reisepass, ausstellungsdatum)

## Germany VAT Number Content Blade

The content blade requires a match for a German value added tax (VAT) number pattern (refer to entity description) in a close proximity to the abbreviation DE.

## Group Insurance Numbers Content Blade

This is a content blade that requires customization. To use this content blade, add a regular expression to match the number pattern for an organization's Group Insurance Number. The content blade looks for matches to words and phrases such as group insurance or a name, U.S. address or U.S. date in combination with the custom regular expression.

## Hawaii Drivers License Number Content Blade

The content blade looks for matches to the Hawaii driver's license pattern and words and phrases such as driver's license and license number and terms such as HI or Hawaii.

Driver's license pattern: H Alphabetic, 8 Numeric; or SSN.

## Italy National Identification Numbers Content Blade

The content blade requires the following to match for an Italy National Identification number in a close proximity.

- 1 Italy National Identification number pattern
- 2 Words or phrases for an Italy National Identification number (e.g. codice fiscale, national identification)

National Identification Rule: 16 character alphanumeric code. where:

- SSS are the first three consonants in the family name (the first vowel and then an X are used if there are not enough consonants)
- NNN is the first name, of which the first, third and fourth consonants are used—exceptions are handled as in family names
- YY are the last digits of the birth year
- M is the letter for the month of birth—letters are used in alphabetical order, but only the letters A to E, H, L, M, P, R to T are used (thus, January is A and October is R)
- DD is the day of the month of birth—in order to differentiate between genders, 40 is added to the day of birth for women (thus a woman born on May 3 has ...E43...)
- ZZZZ is an area code specific to the municipality where the person was born—country-wide codes are used for foreign countries, a letter followed by three digits
- X is a parity character as calculated by adding together characters in the even and odd positions, and dividing them by 26. Numerical values are used for letters in even positions according to their alphabetical order. Characters in odd positions have different values. A letter is then used which corresponds to the value of the remainder of the division in the alphabet.

Pattern:

- *LLLLLLDDLDDLDDDL*
- *LLL LLL DDLDD LDDDL*

## Health Plan Beneficiary Numbers

This is a content blade that requires customization. To use this content blade, add a regular expression to identify recipients of health plan benefits and payments. The content blade looks for matches to words and phrases such as beneficiary or a name, U.S. address or U.S. date in combination with the custom regular expression.

## Idaho Drivers License Number Content Blade

The content blade looks for matches to the Idaho driver's license pattern and words and phrases such as driver's license and license number and terms such as ID or Idaho.

Driver's license pattern: 2 Alphabetic, 6 Numeric, 1 Alphabetic.

## Illinois Drivers License Number Content Blade

The content blade looks for matches to the Illinois driver's license pattern and words and phrases such as driver's license and license number and terms such as IL or Illinois.

Driver's license pattern: 1 Alphabetic, 11 Numeric.

## Indiana Drivers License Number Content Blade

The content blade looks for matches to the Indiana driver's license pattern and words and phrases such as driver's license and license number and terms such as IN or Indiana.

Driver's license pattern: 10 Numeric.

## Iowa Drivers License Number Content Blade

The content blade looks for matches to the Iowa driver's license pattern and words and phrases such as driver's license and license number and terms such as IA or Iowa.

Driver's license pattern can be 3 numeric, 2 alphabetic, 3 numeric; or Social Security Number.

## Index of Procedures Content Blade

The content blade looks for words and phrases related to medical procedures based on the International Classification of Diseases (ICD).

The content blade will match with a combination of the following pieces of information, either:

- More than one match to the Index of Procedures dictionary
- A single match to the Index of Procedures dictionary plus two of either a name, U.S. Address or U.S. Date
- A single match to the Index of Procedures dictionary with a patient or doctor identification word or phrase (e.g. patient ID, physician name)

## Italy Driving License Number Content Blade

The content blade requires the following to match for an Italy driving license in a close proximity.

- Italy driving license pattern
- Words or phrases for a driving license (e.g. driving license, patente di guida)

Driver's License Rule: 10 alphanumeric characters -- 2 letters, 7 numbers and a final letter. The first letter may only be characters A-V.

Driver's License Pattern:

- *LLDDDDDDDL*
- *LL DDDDDDD L*
- *LL-DDDDDDD-L*
- *LL - DDDDDDD - L*

## Italy IBAN Number Content Blade

The content blade requires the following to match for a Italy IBAN number in a close proximity.

1 IBAN words and phrases (e.g. International Bank Account Number, IBAN)

2 Italy IBAN number pattern

IBAN Rule: IT country code followed by 25 alphanumeric characters.

Pattern:

- ITDDLDDDDDDDDDDAAAAAAAAAAAA
- IT DDL DDDDD DDDDD AAAAAAAAAAAAA
- IT DD LDDDDDD DDDDD AAAAAAAAAAAAA
- IT DD L DDDDD DDDDD AAAAAAAAAAAAA
- IT DD LDDDDDDDDDDAAAAAAAAAAAA
- IT DD L DDDDDDDDDDDAAAAAAAAAAAA
- ITDD LDDD DDDD DDDA AAAA AAAA AAA
- IT DDL DDDDD DDDDD AAAAAA AAAAAA
- IT DDL DDD DDD DDD DAAA AAA AAAAAA
- IT DDL DDDDDDDDDDD AAAAAA AAAAAA

Spaces may be substituted with dashes, forward slashes or colons.

## ITIN Unformatted Content Blade

The content blade looks for unformatted patterns of the U.S. Taxpayer Identification Number (ITIN). The content blade will match if an unformatted ITIN is found within close proximity of a word or phrase for an ITIN number (e.g. tax identification, ITIN).

ITIN Rule: 9-digit number that always begins with the number 9 and has a range of 70-88 in the fourth and fifth digit.

Pattern: *DDDDDDDDDD*

## Kansas Drivers License Number Content Blade

The content blade looks for matches to the Kansas driver's license pattern and words and phrases such as driver's license and license number and terms such as KS or Kansas.

Driver's license pattern: 1 Alphabetic (K), 8 Numeric; or Social Security Number.

## Kentucky Drivers License Number Content Blade

The content blade looks for matches to the Kentucky driver's license pattern and words and phrases such as driver's license and license number and terms such as KY or Kentucky.

Driver's license pattern: 1 Alphabetic, 8 Numeric; or Social Security Number.

## Louisiana Drivers License Number Content Blade

The content blade looks for matches to the Louisiana driver's license pattern and words and phrases such as driver's license and license number and terms such as LA or Louisiana.

Driver's license pattern: 2 Zeros, 7 Numeric.

## Maine Drivers License Number Content Blade

The content blade looks for matches to the Maine driver's license pattern and words and phrases such as driver's license and license number and terms such as ME or Maine.

Driver's license pattern: 7 Numeric, optional alphabetic X.

## Manitoba Drivers Licence Content Blade

The content blade looks for matches to the Manitoba driver's license pattern and words and phrases such as driver's licence and permis de conduire plus terms such as MB or Manitoba in a close proximity.

License pattern rules: 12 alphanumeric characters that may be hyphen-separated, where:

- 1st character is a letter
- 2nd - 5th characters are a letter or asterisk
- 6th character is a letter
- 7th - 10th characters are digits
- 11th character is a letter
- 12th character is a letter or digit

or

- 1st character is a letter
- 2nd - 4th characters are a letter or asterisk
- 5th - 6th characters are digits
- 7th - 12th characters are a letter or digit

Driver's license pattern:

- *LLLLLLDDDDLA*
- *LLLLLDAAAAA*

## Maryland Drivers License Number Content Blade

The content blade looks for matches to the Maryland driver's license pattern and words and phrases such as driver's license and license number and terms such as MD or Maryland.

Driver's license pattern: 1 Alphabetic, 12 Numeric

## Massachusetts Drivers License Number Content Blade

The content blade looks for matches to the Massachusetts driver's license pattern and words and phrases such as driver's license and license number and terms such as MA or Massachusetts.

Driver's license pattern: 1 Alphabetic (S), 8 Numeric; or Social Security Number

## Michigan Drivers License Number Content Blade

The content blade looks for matches to the Michigan driver's license pattern and words and phrases such as driver's license and license number and terms such as MI or Michigan.

Driver's license pattern: 1 Alphabetic, 12 Numeric

## Minnesota Drivers License Number Content Blade

The content blade looks for matches to the Minnesota driver's license pattern and words and phrases such as driver's license and license number and terms such as MN or Minnesota.

Driver's license pattern: 1 Alphabetic, 12 Numeric

## Mississippi Drivers License Number Content Blade

The content blade looks for matches to the Mississippi driver's license pattern and words and phrases such as driver's license and license number and terms such as MS or Mississippi.

Driver's license pattern: 9 Numeric; or Formatted Social Security Number

## Missouri Drivers License Number Content Blade

The content blade looks for matches to the Missouri driver's license pattern and words and phrases such as driver's license and license number and terms such as MO or Missouri

Driver's license pattern: 1 Alphabetic, 6-9 Numeric; or 9 Numeric; or Formatted Social Security Number

## Montana Drivers License Number Content Blade

The content blade looks for matches to the Montana driver's license pattern and words and phrases such as driver's license and license number and terms such as MT or Montana.

Driver's license pattern: 9 Numeric (SSN); or 1 Alphabetic, 1 Numeric, 1 Alphanumeric, 2 Numeric, 3 Alphabetic and 1 Numeric; or 13 Numeric

## NDC Formulas Dictionary Content Blade

The content blade looks for words and phrases related to formulas based on the National Drug Codes (NDC).

The content blade will match with a combination of the following pieces of information, either:

- 1 More than one match to the NDC Formulas dictionary
- 2 A single match to the NDC Formulas dictionary plus two of either a name, U.S. Address or U.S. Date
- 3 A single match to the NDC Formulas dictionary with a patient or doctor identification word or phrase (e.g. patient ID, physician name)

## Nebraska Drivers License Number Content Blade

The content blade looks for matches to the Nebraska driver's license pattern and words and phrases such as driver's license and license number and terms such as NE or Nebraska.

Driver's license pattern: 1 Alphabetic , 8 Numeric

## Netherlands Driving License Number Content Blade

The content blade requires the following to match for a Netherlands driving license in a close proximity.

- 1 Netherlands driving license pattern (refer to entity description)
- 2 Words or phrases for a driving license (e.g. driving license, rijbewijs)

## Netherlands IBAN Number Content Blade

The content blade requires the following to match for a Netherlands IBAN number in a close proximity.

- 1 IBAN words and phrases (e.g. International Bank Account Number, IBAN)
- 2 Netherlands IBAN number pattern

IBAN Rule: NL country code followed by 16 alphanumeric characters.

Pattern:

- *NLDDLLLLDDDDDDDDDD*
- *NL DDLLLLDDDDDDDDDD*
- *NL DD LLLL DDDDDDDDD*
- *NL DD LLLL DDDD DDDD DD*
- *NLDD LLLL DDDD DDDD DD*
- *NLDDLLLL DDDD DDDDDD*
- *NLDD LLLL DDDDDDDDD*
- *NL DD LLLL D DD DD DD DDD*

- *NL DD LLLL DD DD DD DDDD*
- *NL DD LLLL DDD DDDDDDD*
- *NL DD LLLL DDDD DD DD DD*

Spaces may be substituted with dashes

## Netherlands National Identification Numbers Content Blade

The content blade requires the following to match for a Netherlands National Identification number in a close proximity.

- 1 Netherlands National Identification number (refer to entity description)
- 2 Words or phrases for a Netherlands National Identification number (e.g. sofinummer, burgerservicenummer)

## Netherlands Passport Number Content Blade

The content blade requires the following to match for a Netherlands passport number in a close proximity.

- 1 Netherlands passport number (refer to entity description)
- 2 Words or phrases for a Netherlands passport number (e.g. paspoort , Noodpaspoort)

## Nevada Drivers License Number Content Blade

The content blade looks for matches to the Nevada driver's license pattern and words and phrases such as driver's license and license number and terms such as NV or Nevada.

Driver's license pattern: 9 Numeric (SSN); or 12 Numeric (last 2 are year of birth), or 10 numeric

## New Brunswick Drivers Licence Content Blade

The content blade looks for matches to the New Brunswick driver's license pattern and words and phrases such as driver's licence and permis de conduire plus terms such as NB or New Brunswick in a close proximity.

License pattern rules: 5 - 7 digits

Driver's license pattern:

- *DDDDD*
- *DDDDDD*
- *DDDDDDD*

## **New Hampshire Drivers License Number Content Blade**

The content blade looks for matches to the New Hampshire driver's license pattern and words and phrases such as driver's license and license number and terms such as NH or New Hampshire.

Driver's license pattern: 2 Numeric, 3 Alphabetic, 5 Numeric

## **New Jersey Drivers License Number Content Blade**

The content blade looks for matches to the New Jersey driver's license pattern and words and phrases such as driver's license and license number and terms such as NJ or New Jersey.

Driver's license pattern: 1 Alphabetic, 14 Numeric

## **New Mexico Drivers License Number Content Blade**

The content blade looks for matches to the New Mexico driver's license pattern and words and phrases such as driver's license and license number and terms such as NM or New Mexico.

Driver's license pattern: 9 Numeric

## **New York Drivers License Number Content Blade**

The content blade looks for matches to the New York driver's license pattern and words and phrases such as driver's license and license number and terms such as NY or New York.

Driver's license pattern: 9 Numeric

## **New Zealand Health Practitioner Index Number Content Blade**

The content blade looks for matches to the New Zealand Health Practitioner Index entity and corroborative terms such as hpi-cpn or health practitioner index.

## **New Zealand Inland Revenue Department Number**

The content blade looks for matches to the New Zealand Inland Revenue Department Number entity and words and phrases such as IRD Number or Inland Revenue Department Number.

## **New Zealand National Health Index Number Content Blade**

The content blade looks for matches to the New Zealand National Health Index entity and corroborative terms such as nhi or National Health index.

## Newfoundland and Labrador Drivers Licence Content Blade

The content blade looks for matches to the Newfoundland and Labrador driver's license pattern and words and phrases such as driver's licence and permis de conduire plus terms such as NL or Labrador in a close proximity.

License pattern rules: 1 letter followed by 9 digits

Driver's license pattern: *LDDDDDDDDD*

## North Carolina Drivers License Number Content Blade

The content blade looks for matches to the North Carolina driver's license pattern and words and phrases such as driver's license and license number and terms such as NC or North Carolina.

Driver's license pattern: 6 - 8 Numeric

## North Dakota Drivers License Number Content Blade

The content blade looks for matches to the North Dakota driver's license pattern and words and phrases such as driver's license and license number and terms such as ND or North Dakota.

Driver's license pattern: 9 Numeric; or 3 Alphabetic, 6 Numeric

## Nova Scotia Drivers Licence Content Blade

The content blade looks for matches to the Nova Scotia driver's license pattern and words and phrases such as driver's licence and permis de conduire plus terms such as NS or Nova Scotia in a close proximity.

License pattern rules: 5 letters followed by 9 digits

Driver's license pattern: *LLLLDDDDDDDD*

## Ohio Drivers License Number Content Blade

The content blade looks for matches to the Ohio driver's license pattern and words and phrases such as driver's license and license number and terms such as OH or Ohio.

Driver's license pattern: 2 Alphabetic, 6 Numeric

## Oklahoma License Number Content Blade

The content blade looks for matches to the Oklahoma driver's license pattern and words and phrases such as driver's license and license number and terms such as OK or Oklahoma.

Driver's license pattern: 1 Alphabetic, 8 Numeric; or 9 Numeric; or Social Security Number, Formatted

## Ontario Drivers Licence Content Blade

The content blade looks for matches to the Ontario driver's license pattern and words and phrases such as driver's licence and permis de conduire plus terms such as ON or Ontario in a close proximity.

License pattern rules: 1 letter followed by 14 digits

Driver's license pattern: *LDDDDDDDDDDDDDDDD*

## Oregon License Number Content Blade

The content blade looks for matches to the Oregon driver's license pattern and words and phrases such as driver's license and license number and terms such as OR or Oregon.

Driver's license pattern: 6 -7 Numeric

## Patient Identification Numbers Content Blade

This is a content blade that requires customization. To use this content blade, add a regular expression for a company-specific Patient Identification Number pattern. The content blade looks for matches to words and phrases such as patient id or a name, U.S. address or U.S. date in combination with the custom regular expression.

## Pennsylvania License Number Content Blade

The content blade looks for matches to the Pennsylvania driver's license pattern and words and phrases such as driver's license and license number and terms such as PA or Pennsylvania.

Driver's license pattern: 8 Numeric

## Prince Edward Island Drivers Licence Content Blade

The content blade looks for matches to the Prince Edward Island driver's license pattern and words and phrases such as driver's licence and permis de conduire plus terms such as PE or Prince Edward Island in a close proximity.

License pattern rules: 5 - 6 digits

Driver's license pattern:

- *DDDD*
- *DDDDDD*

## Protected Health Information Terms Content Blade

The content blade looks for words and phrases related to personal health records and health insurance claims.

The content blade will match with a combination of the following pieces of information, either:

- 1 More than one match to the Protected Health Information dictionary
- 2 A single match to the Protected Health Information dictionary plus two of either a name, U.S. Address or U.S. Date
- 3 A single match to the Protected Health Information dictionary with a patient or doctor identification word or phrase (e.g. patient ID, physician name)

## Quebec Drivers Licence Content Blade

The content blade looks for matches to the Quebec driver's license pattern and words and phrases such as driver's licence and permis de conduire plus terms such as QC or Quebec in a close proximity.

License pattern rules: 1 letter followed by 12 digits

Driver's license pattern: LDDDDDDDDDDDD

## Rhode Island License Number Content Blade

The content blade looks for matches to the Rhode Island driver's license pattern and words and phrases such as driver's license and license number and terms such as RI or Rhode Island.

Driver's license pattern: 7 Numeric

## Saskatchewan Drivers Licence Content Blade

The content blade looks for matches to the Saskatchewan driver's license pattern and words and phrases such as driver's licence and permis de conduire plus terms such as SK or Saskatchewan in a close proximity.

License pattern rules: 8 digits

License pattern: *DDDDDDDD*

## SIN Formatted Content Blade

The content blade looks for formatted patterns of the Canadian Social Insurance number (SIN).

The content blade will match with a combination of the following pieces of information in medium proximity, either:

- 1 More than one match to a formatted SIN
- 2 A single match to a formatted SIN plus a driver's license or date of birth word or phrase
- 3 A single match to a formatted SIN with word or p

## SIN Unformatted Content Blade

The content blade looks for unformatted patterns of the Canadian Social Insurance (SIN). The content blade will match if an unformatted SIN is found within close proximity of a word or phrase for a Social Insurance number (e.g. Social Insurance, SIN) or driver's license or date of birth.

## SSN Formatted Content Blade

SSN Formatted Content Blade

The content blade will match with a combination of the following pieces of information in medium proximity, either:

- More than one match to a formatted SSN
- A single match to a formatted SSN plus two of either a name, U.S. Address or U.S. Date
- A single match to a formatted SSN with word or phrase for a Social Security number (e.g. Social Security, SSN)

## SSN Unformatted Content Blade

The content blade looks for unformatted patterns of the U.S. Social Security number (SSN). The content blade will match if an unformatted SSN is found within close proximity of a word or phrase for a Social Security number (e.g. Social Security, SSN).

## South Carolina License Number Content Blade

The content blade looks for matches to the South Carolina driver's license pattern and words and phrases such as driver's license and license number and terms such as SC or South Carolina.

Driver's license pattern: 9 Numeric

## South Dakota License Number Content Blade

The content blade looks for matches to the South Dakota driver's license pattern and words and phrases such as driver's license and license number and terms such as SD or South Dakota.

Driver's license pattern: 8 Numeric; or Social Security Number

## Spain National Identification Number Content Blade

The content blade looks for matches to the Spain National Identification Number entity and words and phrases such as Documento Nacional de Identidad and Número de Identificación de Extranjeros. It also uses regular expressions to differentiate between telephone numbers and to prevent double counting of DNIs and NIEs without check letters.

## Spain Passport Number Content Blade

The content blade looks for matches to the Spain Passport Number and words and phrases such as pasaporte or passport.

Passport Rule: 8 alphanumeric characters -- 2 letters followed by 6 digits.

Pattern:

LLDDDDDD

LL-DDDDDD

LL DDDDDD

## Spain Social Security Number Content Blade

The content blade requires the following to match for a Spain Social Security number in a close proximity.

- 1 Spain Social Security number
- 2 Words or phrases for a social security number (e.g. número de la seguridad social, social security number)

## Sweden IBAN Number Content Blade

The content blade requires the following to match for a Sweden IBAN number in a close proximity.

- 1 IBAN words and phrases (e.g. International Bank Account Number, IBAN)
- 2 Sweden IBAN number pattern

IBAN Rule: SE country code followed by 22 digits.

Pattern: SE DDDDDDDDDDDDDDDDDDDDDDDDD

## Sweden Passport Number Content Blade

The content blade looks for matches to the Sweden Passport Number regular expression with the following possible combinations of supporting evidence.

- 1 Words and phrases for passport such as Passnummer
- 2 Words and phrases for the country Sweden, nationality and expiry dates

Passport Rule: 8 digits

Pattern:

DDDDDDDD

DD-DDDDDD

LL-DDDDDD

## Tennessee License Number Content Blade

The content blade looks for matches to the Texas driver's license pattern and words and phrases such as driver's license and license number and terms such as TX or Texas.

Driver's license pattern: 8 Numeric

## UK BIC Number Content Blade

The content blade scans for UK BIC numbers by requiring matches for both rules.

- 1 European BIC number format
- 2 UK format of the BIC number

BIC rule: 8 or 11 alphanumeric characters. Letters 5th and 6th will always have "GB" as the ISO 3166-1 alpha-2 country code.

Pattern:

LLLLLLAAA  
LLLLLLAAAAA  
LLLLLLAA-AAA  
LLLLLLAA AAA  
LLLLLL AA AAA  
LLLL LL AA AAA  
LLLL LL AA-AAA

## UK Driving License Number Content Blade

The content blade requires the following to match for a UK driving license in a close proximity.

- 1 UK driving license pattern
- 2 Either words or phrases for a driving license (e.g. driving license) or personal identification (e.g. date of birth, address, telephone)

Driving license rule: 16 - 18 alphanumeric characters and begins with a letter.

Pattern:

LAAAADDDDDLLDLLDD

Some digits are limited in the values accepted.

## UK IBAN Number Content Blade

The content blade requires the following to match for a UK IBAN number in a close proximity.

1 European IBAN number format

2 UK IBAN number pattern

IBAN Rule: "GB" country code followed by 20 characters.

GB, ISO country code

2 Digits (numeric characters 0 to 9 only) , Check Digits (IBAN)

4 Upper case letters (A-Z only), Bank Identifier Digits

6 Digits (numeric characters 0 to 9 only), Bank branch code

8 Digits (numeric characters 0 to 9 only), Account number

Pattern:

GBDDLLLLDDDDDDDDDDDDDDDD

GB DD LLLL DDDD DDDD DDDD DD

GB DD LLLL DDDDDD DDDDDDDD

## UK National Health Service Number Content Blade

The content blade requires the following to match for a UK National Health Service number in a close proximity.

1 UK National Health Service number format

2 Words and phrases relating to the National Health Service or patient identification or date of birth

## UK NINO Formal Content Blade

The content blade looks for the formal pattern of the UK National Insurance number (NINO).

The content blade will match with a combination of the following pieces of information in high proximity, either:

1 More than one match to a NINO formal pattern

2 A single match to a NINO formal with word or phrase for a National Insurance number (e.g. NINO, taxpayer number)

## UK Passport Number Content Blade

The content blade looks for matches to one of the U.K. passport number entities with the following supporting evidence.

- 1 Words and phrases for passport such as passport or a national passport code preceding a passport number
- 2 Words and phrases for the country, U.K, or the date of issue (optional match)

## Utah License Number Content Blade

The content blade looks for matches to the Utah driver's license pattern and words and phrases such as driver's license and license number and terms such as UT or Utah.

Driver's license pattern: 6 - 10 Numeric

## Virginia License Number Content Blade

The content blade looks for matches to the Virginia driver's license pattern and words and phrases such as driver's license and license number and terms such as VA or Virginia.

Driver's license pattern: 1 Alphabetic, 8 Numeric

## Visa Card Number Content Blade

The content blade looks for a combination of the following pieces of information, either:

- 1 More than one JCB credit card number
- 2 A single credit card number plus words and phrases such as ccn, credit card, expiration date
- 3 A single credit card number plus an expiration date

## Washington License Number Content Blade

The content blade looks for matches to the Washington driver's license pattern and words and phrases such as driver's license and license number and terms such as WA or Washington.

Driver's license pattern: 5 Alphabetic (last name), 1 Alphabetic (first name), 1 Alphabetic (middle name), 3 Numeric, 2 Alphanumeric. If last or middle name field falls short, fill with \*s.

## Wisconsin License Number Content Blade

The content blade looks for matches to the Wisconsin driver's license pattern and words and phrases such as driver's license and license number and terms such as WI or Wisconsin.

Driver's license pattern: 1 Alphabetic, 13 Numeric

## Wyoming License Number Content Blade

The content blade looks for matches to the Wyoming driver's license pattern and words and phrases such as driver's license and license number and terms such as WY or Wyoming.

Driver's license pattern: 9 - 10 Numeric

# File Formats Supported by Data Security

# 3

NSX Data Security can detect the following file formats.

**Note** As of NSX 6.2.3, the NSX Data Security feature has been deprecated. In NSX 6.2.3, you can continue to use this feature at your discretion, but be aware that this feature will be removed from NSX in a future release.

**Table 3-1. Archive Formats**

Application Format	Extensions
7-Zip 4.57	7Z
BinHex	HQX
BZIP2	BZ2
Expert Witness (EnCase)Compression Format	E0, E101 etc
GZIP 2	GZ
ISO-9660 CD Disc Image Format	ISO
Java Archive	JAR
Legato EMailXtender Archive	EMX
MacBinary	BIN
Mac Disk copy Disk Image	DMG
Microsoft Backup File	BKF
Microsoft Cabinet Format 1.3	CAB
Microsoft Compressed Folder	LZH LHA
Microsoft Entourage	
Microsoft Outlook Express	DBX
Microsoft Outlook Offline Store 2007	OST
Microsoft Outlook Personal Store 2007	PST

**Table 3-1. Archive Formats (Continued)**

Application Format	Extensions
OASIS Open Document Format	ODC SXC STC ODT SXW STW
Open eBook Publication Structure	EPUB
PKZIP	ZIP
RAR archive	RAR
Self-extracting Archives	SEA
Shell Scrap Object File	SHS
Tape Archive	TAR
UNIX Compress	Z
UUEncoding	UUE
WinZip	ZIP

**Table 3-2. Computer-Aided Design Formats**

Application Format	Extensions
CATIA formats 5	CAT
Microsoft Visio 5, 2000, 2002, 2003, 2007	VSD
MicroStation 7, 8	DGN
Omni Graffle	GRAFFLE

**Table 3-3. Database Formats**

Application Format	Extensions
Microsoft Access 95, 97, 2000, 2002, 2003, 2007	MDB

**Table 3-4. Display Formats**

Application Format	Extensions
Adobe PDF 1.1 to 1.7	PDF

**Table 3-5. Mail Formats**

Application Format	Extensions
Domino XML Language	DXL
Legato Extender	ONM
Lotus Notes database 4, 5, 6.0, 6.5, 7.0, and 8.0	NSF
Mailbox Thunderbird 1.0 and Eudora 6.2	MBX

**Table 3-5. Mail Formats (Continued)**

Application Format	Extensions
Microsoft Outlook 97, 2000, 2002, 2003, and 2007	MSG
Microsoft Outlook Express Windows 6 and Macintosh 5	EML
Microsoft Outlook Personal Folder 97, 2000, 2002, and 2003	PST
Text Mail (MIME)	Various

**Table 3-6. Multimedia Formats**

Application Format	Extensions
Advanced Streaming Format 1.2	DXL

**Table 3-7. Presentation Formats**

Application Format	Extensions
Apple iWork Keynote 2, 3, '08, and '09	GZ
Applix Presents 4.0, 4.2, 4.3, 4.4	AG
Corel Presentations 6, 7, 8, 9, 10, 11, 12, and X3	SHW
Lotus Freelance Graphics 2	PRE
Lotus Freelance Graphics 96, 97, 98, R9, and 9.8	PRZ
Macromedia Flash through 8.0	SWF
Microsoft PowerPoint PC 4	PPT
Microsoft PowerPoint Windows 95, 97, 2000, 2002, and 2003	PPT, PPS, POT
Microsoft PowerPoint Windows XML 2007	PPTX, PPTM, POTX, POTM, PPSX, and PPSM
Microsoft PowerPoint Macintosh 98, 2001, v.X, and 2004	PPT
OpenOffice Impress 1 and 1.1	SXP
StarOffice Impress 6 and 7	SXP

**Table 3-8. Spreadsheet Formats**

Application Format	Extensions
Apple iWork Numbers '08 and 2009	GZ
Applix Spreadsheets 4.2, 4.3, and 4.4	AS
Comma Separated Values	CSV
Corel Quattro Pro 5, 6, 7, 8, X4	WB2, WB3, QPW
Data Interchange Format	DIF
Lotus 1-2-3 96, 97, R9, 9.8, 2, 3, 4, 5	123, WK4
Lotus 1-2-3 Charts 2, 3, 4, 5	123
Microsoft Excel Windows 2.2 through 2003	XLS, XLW, XLT, XLA
Microsoft Excel Windows XML 2007	XLSX, XLTX, XLSM, XLTM, XLAM

**Table 3-8. Spreadsheet Formats (Continued)**

Application Format	Extensions
Microsoft Excel Charts 2, 3, 4, 5, 6, 7	XLS
Microsoft Excel Macintosh 98, 2001, v.X, 2004	XLS
Microsoft Office Excel Binary Format 2007	XLSB
Microsoft Works Spreadsheet 2, 3, 4	S30 S40
Oasis Open Document Format 1, 2	ODS, SXC, STC
OpenOffice Calc 1, 1.1	SXC, ODS, OTS
StarOffice Calc 6, 7	

**Table 3-9. Text and Markup Formats**

Application Format	Extensions
ANSI	TXT
ASCII	TXT
Extensible Forms Description Language	XFDL, XFD
HTML 3, 4	HTM, HTML
Microsoft Excel Windows XML 2003	XML
Microsoft Word Windows XML 2003	XML
Microsoft Visio XML 2003	vdx
MIME HTML	MHT
Rich Text Format 1 through 1.7	RTF
Unicode Text 3, 4	TXT
XHTML 1.0	HTM, HTML
XML (generic)	XML

**Table 3-10. Word Processing Formats**

Application Format	Extensions
Adobe FrameMaker InterchangeFormat 5, 5.5, 6, 7	MIF
Apple iChat Log AV, AV 2, AV 2.1, AV 3	LOG
Apple iWork Pages '08, 2009	GZ
Applix Words 3.11, 4, 4.1, 4.2, 4.3, 4.4	AW
Corel WordPerfect Linux 6.0, 8.1	WPS
Corel WordPerfect Macintosh 1.02, 2, 2.1, 2.2, 3, 3.1	WPS
Corel WordPerfect Windows 5, 5.1, 6, 7, 8, 9, 10, 11, 12, X3	WO, WPD
DisplayWrite 4	IP
Folio Flat File 3.1	FFF
Founder Chinese E-paper Basic 3.2.1	CEB

**Table 3-10. Word Processing Formats (Continued)**

<b>Application Format</b>	<b>Extensions</b>
Fujitsu Oasys 7	OA2
Haansoft Hangul 97, 2002, 2005, 2007	HWP
IBM DCA/RFT (Revisable Form Text) SC23-0758 -1	DC
JustSystems Ichitaro 8 through 2009	JTD
Lotus AMI Pro 2, 3	SAM
Lotus AMI Professional Write Plus 2.1	AMI
Lotus Word Pro	96, 97, R9
Lotus SmartMaster 96, 97	MWP
Microsoft Word PC 4, 5, 5.5, 6	DOC
Microsoft Word Windows 1.0 and 2.0, 6, 7, 8, 95, 97, 2000, 2002, 2003	DOC
Microsoft Word Windows XML 2007	DOCX, DOTX, DOTM
Microsoft Word Macintosh 4, 5, 6, 98, 2001, v.X, 2004	DOC
Microsoft Works 2, 3, 4, 6, 2000	WPS
Microsoft Windows Write 1, 2, 3	WRI
Oasis Open Document Format 1, 2	ODT, SXW, STW
OpenOffice Writer 1, 1.1	SXW, ODT
Omni Outliner 3	OPML, OO3, OPML, OOUTLINE
Skype Log File	DBB
StarOffice Writer 6, 7	SXW, ODT
WordPad through 2003	RTF
XML Paper Specification	XPS
XyWrite 4.12	XY4