

# VMware AirWatch Content Gateway Sizing Guide

For NFS Repository Sync

Workspace ONE UEM

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# Chapter 1:

## Sizing Infrastructure for NFS Repository Sync

### Overview

Network share repositories like NetApp, SMB, and Network File Share (NFS) uses the VMware AirWatch Content Gateway to provide content access for end users.

The performance of the content repository is dependent on the number of users syncing and accessing the content. If you have not configured the repositories with resources to support multi user content sync and access then repository performance impact or outage can occur. To help you provide the best experience to your end user, we have tested the NFS repository sync performance at Workspace ONE UEM by configuring NFS with Content Gateway on Unified Access Gateway.

This documentation provides information on how to configure and perform a successful NFS repository sync using Content Gateway.

### NFS Testing Requirements

The infrastructure that we have used for testing the NFS repository with Content Gateway configured on the Unified Access Gateway appliance is listed in this section. The requirements and details specified in this section can be used for reference purpose. The requirements can change as per your need and supporting infrastructure.

#### High Level Infrastructure

- Content Gateway on Unified Access Gateway configured in the cascade mode on VMware vSphere, with a Windows share configured on the same domain.
- No load balancers are used

## Hardware Specifications

### Content Gateway

CPU Core	RAM	Disk Space	Notes
2	4 GB	20 GB	The requirements provided in the table are for supporting a basic data query. You must allocate more server space to store and transmit larger files using the content repository.

### Windows NFS

CPU Core	RAM	Disk Space
16	4 GB	100 GB

## Sync Recommendations

The following data is derived from the NFS repository sync performance tested using Workspace ONE UEM. The sync test results can vary over time when conducted along with other performance tests. Use the results as reference when using Content Gateway with the NFS repository.

Consider the number of sync requests as device requests with the assumption that each device makes one request.

Number of Files in NFS Repository	Number of Sync Requests	
	In 5 Minutes	In 1 Hour
500	7000–8000	85000–87000
1000	5000–6000	55000–60000
5000	2000–3000	20000–23000