

Alfresco Document and Content Management System 5.2

Base on Alfresco Community 5.2

Alfresco is a Java application that runs in an application server, such as Tomcat. There are four main tiers:

1. Web tier – Alfresco Share or another user interface
2. Repository tier - Repository used to store content and metadata
3. Index tier - Provides advanced search services based on Apache Solr
4. Database tier – Persists metadata

Prerequisites:

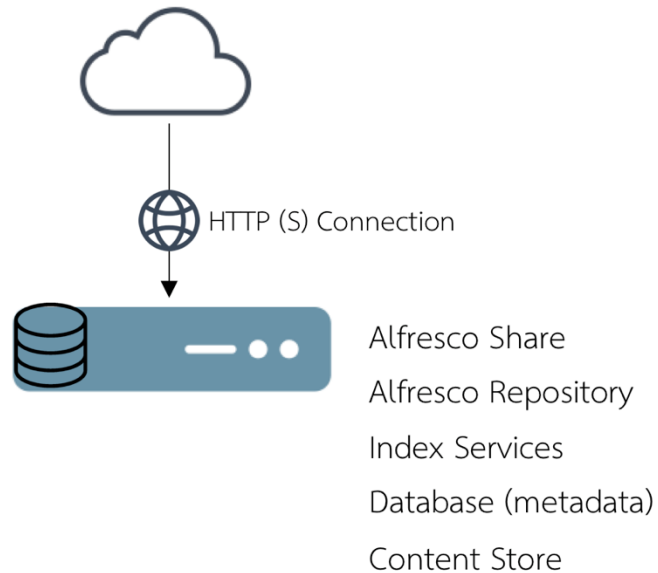
- Default Database: PostgreSQL 9.4 or MySQL 5.6
- Optional Database: Oracle 12C, MSSQL 2014/2016 and IBM DB2 10.5
- App Server: Tomcat 7
- Oracle JRE 8
- LibreOffice 5.2

Recommend Operating Systems:

- Windows Server 2016
- Windows Server 2012 R2 x64
- CentOS 7 x64
- Ubuntu 16.04 LTS x64
- Red Hat Enterprise Linux 7.3
- Red Hat Enterprise Linux 7.2 x64

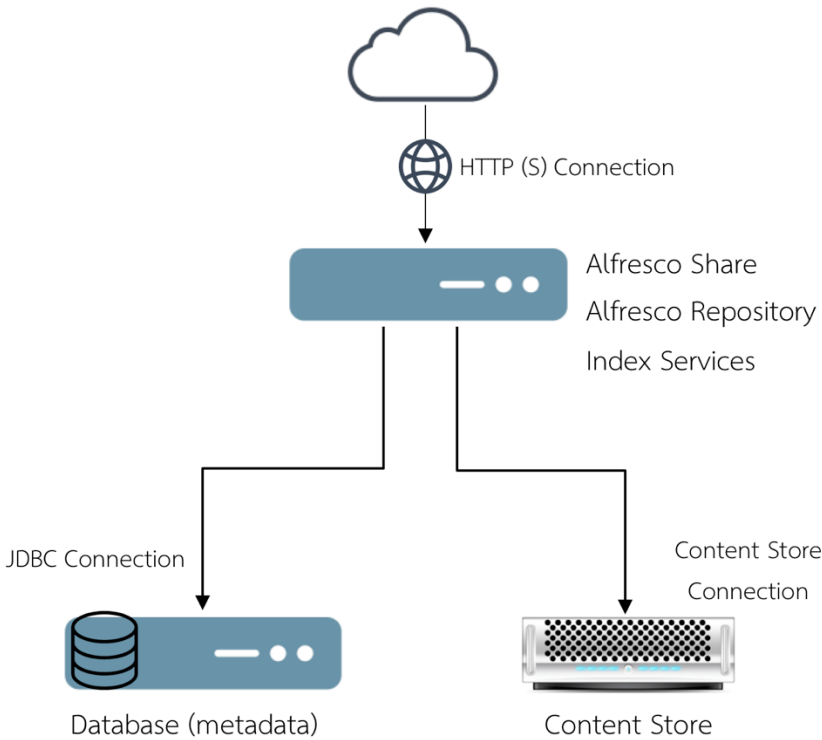
Architecture diagrams for the standard deployments

1. Starter up to 100 Users Name on One Server



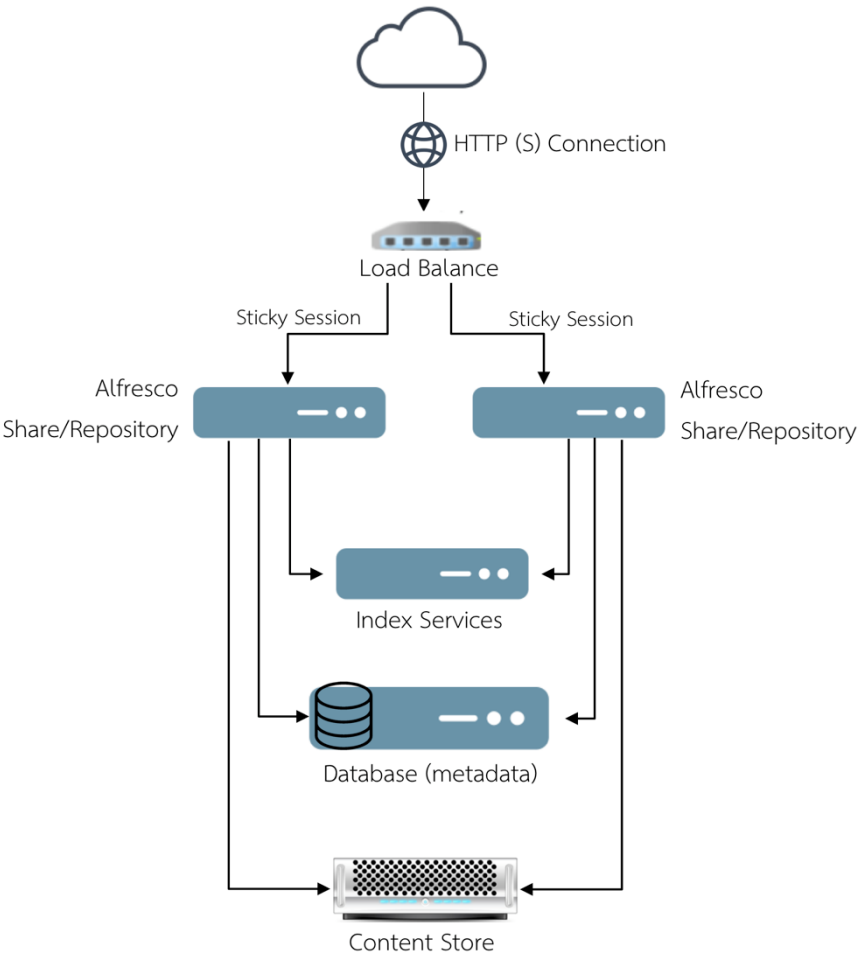
Server	CPU	RAM (GB.)	Storage	Note
Alfresco Server	4 Core, Intel greater than <u>2.6Ghz</u>	24	500 GB. HDD Storage for DB is variable (Recommend SSD)	Local disk is used for application files, temporary files, database and index.
Content Store	N/A	N/A	Local Disk	Size and performance depends on size of repository.

2. Business 100 to 300 Users Name



Server	CPU	RAM (GB.)	Storage	Note
Alfresco Share Alfresco Repository Index Services	4 Core, Intel greater than <u>2.6Ghz</u>	16	500 GB. HDD (Recommend SSD)	Local disk is used for application files, temporary files and index.
Database Server	8 Core, Intel greater than <u>2.6Ghz</u>	64	Variable (Recommend SSD)	Size and performance depends on size of repository.
Content Store	N/A	N/A	Mounted storage, local, SAN, or NAS Minimum Disk throughput Greater than 200MB/sec	Size and performance depends on size of repository.

3. Enterprise 300 to 1,000 Users Name



Server	CPU	RAM (GB.)	Storage	Note
Alfresco Share Alfresco Repository (2 Server)	4 Core, Intel greater than <u>2.6Ghz</u>	16	500 GB. HDD	Local disk is used for application files, temporary files and index.
Database Server	16 Core, Intel greater than <u>2.6Ghz</u>	128	Variable	Size and performance depends on size of repository.
Index Server	4 Core, Intel greater than <u>2.6Ghz</u>	32	500 GB. SSD	Index servers require high disk performance.
Content Store	N/A	N/A	Mounted storage, local, SAN, or NAS	Size and performance depends on size of repository.

Server	CPU	RAM (GB.)	Storage	Note
			Minimum Disk throughput Greater than 200MB/sec	

4. Enterprise Scaled up to 5,000 Users Name

Server	CPU	RAM (GB.)	Storage	Note
Alfresco Share Alfresco Repository (4 Server)	4 Core, Intel greater than <u>2.6Ghz</u>	16	500 GB. HDD	Local disk is used for application files, temporary files and index.
Database Server	16 Core, Intel greater than <u>2.6Ghz</u>	128	Variable	Size and performance depends on size of repository.
Index Server (2 Server)	4 Core, Intel greater than <u>2.6Ghz</u>	32	500 GB. SSD	Index servers require high disk performance.
Content Store	N/A	N/A	Mounted storage, local, SAN, or NAS Minimum Disk throughput Greater than 200MB/sec	Size and performance depends on size of repository.

Alfresco Default Port

Protocol	Default port
HTTP(s)	8080 (8443)
WebDAV	8080 (8443)
AJP	8009
CIFS	SMB 445 NetBIOS 137, 138, 139
NFS	2049
FTP	21
IMAP	143
SMTP	25
LibreOffice	8100
JMX	50500