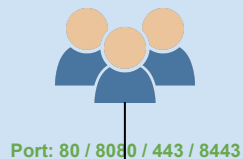


# Kinetic Request CE - Typical Infrastructure Configuration - Non-Production

# Port Summary



## General Users

Single servers in each tier is acceptable for development environments only. Duplicate for a production environment, and expand with multiple servers and load balancers to protect against single points of failure.



## Webserver(s)



VM Size:  
- Windows / Linux / Unix  
- 8+ GB Memory  
- 2 4-core CPU  
- 100GB+ Disk Space

On each webserver:

- Apache: Port 80 / 443 / 8443 (for SSL secured systems, certificates terminate here or earlier)
- Tomcat (Port 8080): Kinetic Request, Kinetic Bridgehub, Kinetic Filehub
- Tomcat (Port 8081): Kinetic Task

## Integrations

Example: AD integration for Authentication (config. port, typically 389 or 636)

Configurable port, typically port 1433



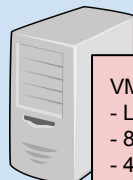
## Task Database

SQL Server

(Can be on existing or new infrastructure)

Port 9042, 9160

## Cassandra Database Server



VM Size:  
- Linux OS  
- 8+ GB Memory  
- 4+ CPU cores  
- 500GB+ Disk

## User Ports:

80, 8080, 443, 8443 - Ports used to access the system. Typically only ONE will be chosen. 80/8080 are non-secure, 443/8443 are SSL ports.

3389 - Used by Admins to access the web servers via Remote Desktop. Does not have to be open to all users, but to a restricted Source IP/Range. (\*\*Does RDB require additional ports?)

22 - Used by Admins to access the Cassandra servers. Does not have to be open to all users, but to a restricted Source IP/Range.

1433 - Used by Admins to access the Task database. Does not have to be open to all users, but to a restricted Source IP/Range

## Internal to application:

1433 - Used by web servers to access Task Database servers

9042, 9160 - Used by web servers to access Cassandra Databases

7000, 7001, 7199 - used for inter-server communication between Cassandra servers.

## Integration:

Example: 389 - AD Integration used for authentication / and other lookup/updates. (This is a configurable port, and needs to match what the AD system is configured for.)