

WorkAppsChat On-Premise Deployment

Objective

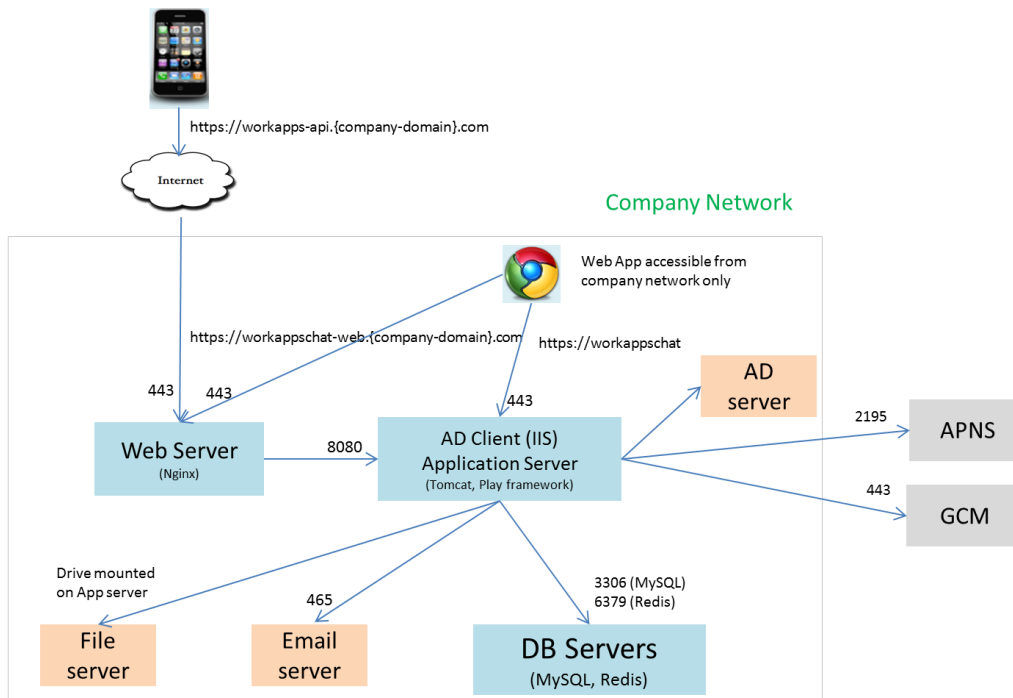
Deploy WorkApps Chat Application in On-Premise Environment. This document lists various server and networks ports access requirements.

The WorkApps Chat web application will work from company intranet only. Both Android and iOS chat applications will be accessible from outside company network. The user onboarding will happen by importing users from company AD.

WorkApps Chat Clients

- Web Application,
- Mobile Apps : Android Chat App, iOS Chat App

Deployment Diagram



New Email Account Requirement

Email Account	Account Detail	What needs to be Done
AD Sync Report Emailer (workapps@{company-domain}.com)	sender email-Id, receiver email-Id, receiver CC list	This email is used to send email notification when daily AD sync job is run.

Server Provisioning

Function	Hardware	Software	IP Address
Application Server	CPU: 8 Core RAM: 16 GB Disk: 128 GB	OS: Windows 2012 R2 Server (64bit) IIS Service: 7 or Latest JDK 1.7 Tomcat 7	Static LAN
DB Server	CPU: 4 Core RAM: 8 GB Disk: 128 GB	OS: Windows 2012 R2 Server (64bit) MySQL: 5.6 Redis: 3.2	Static LAN IP
Web Server	CPU: 4 Core RAM: 8 GB Disk: 50 GB	OS: Windows 2012 R2 Server (64bit) Nginx 1.10.3	Static LAN IP & WAN IP

Note: All software's will be installed by us. We have zipped all software's and WorkApps components (200MB). It has been uploaded to (AWS S3) from where you can download it on respective machines. We will provide you the download URL. Once downloaded, we will take remote access using WebEX, install all softwares and do required configurations.

Domain Mapping

Domain	Function	What needs to be Done
https://workappschat	Internal within company Network	Host and IP mapping in local DNS, SSL Cert
https://workappschat-web.{company-domain}.com	Internal within company Network	Host and IP mapping in local DNS, SSL Cert
https://workapps-api.{company-domain}.com	Internet access for Mobile API only	Host and IP mapping in icicisecurities.com DNS, SSL Cert

Note: Feel free to change the URL the way you want

Internal Services Access & Ports

Service	Ports/Accounts	What needs to be Done
File server	#custom port	Drive accessible, mounted on application server
AD Server	#custom port, Admin username/password to read AD data	Open respective AD ports, Provider admin username/password to read AD data

External Services Access & Ports

Service	Ports/Accounts	What needs to be Done
Google Messaging Service (GCM)	443 ports, gcm-http.googleapis.com	Need to open this ports
Apple push notification system (APNS)	2195 ports, gateway.push.apple.com	Need to open this ports

Note: Above services are needed to get mobile push notifications working