

# Prerequisites for Infrastructure, Installation, Security & Rights

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This information can be downloaded [here](#) in a Word format

## 1. Introduction

This document provides prerequisites regarding Hardware, Software, Network, Security and Rights aspect for a proper CAST installation **on site**.

- The server shall be installed on Client's site and will be available through a VPN access for CAST users.

## 2. Service level agreement

Cast will operate the platform and 2 types of operation will be executed.

- Cast users will operate during open hours from 8:30am to 6:30pm
- Automated treatment and batches last several days, in case of server interruption, those treatments and batches should be restarted from the beginning.

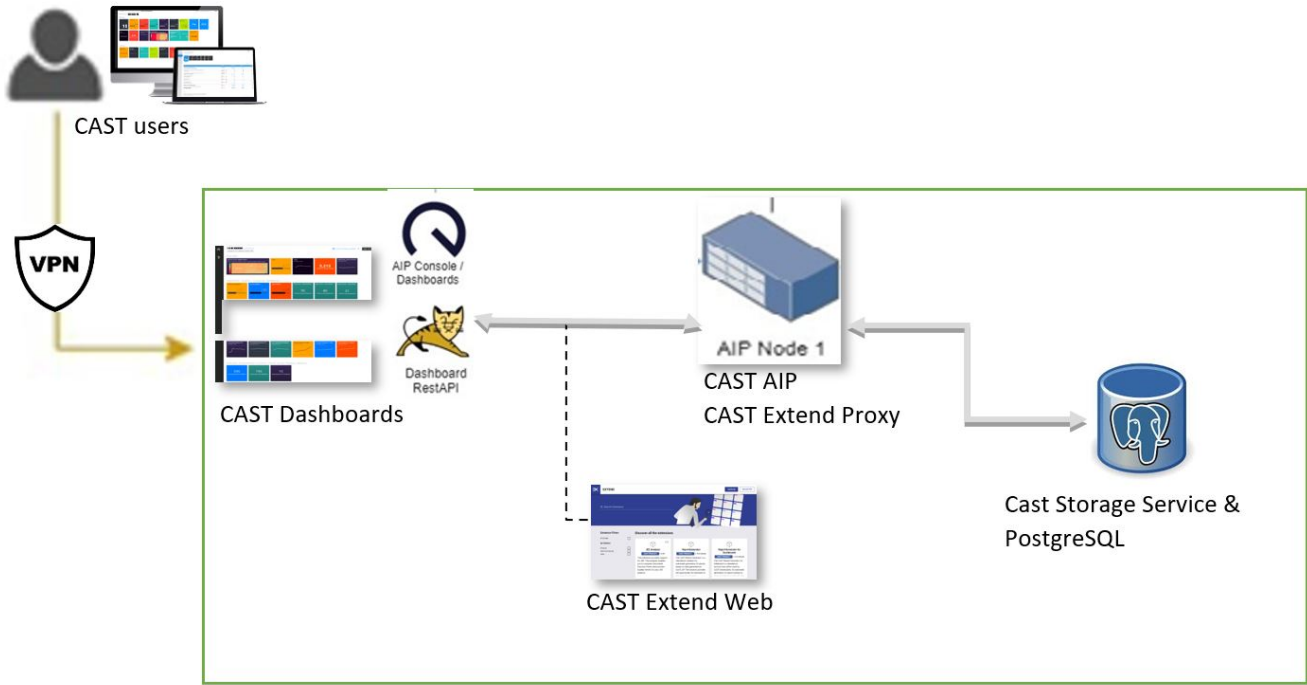
Server's availability & users:

- Server must be available 100% time, 24 hours a day, 7 days a week during analysis time.
- No down time, no restart!
- For 2 simultaneous Cast users minimum

The client agrees to carry out requests for intervention on the server from CAST within a maximum period of one hour from 8:30 am to 12:00 pm and from 1:00 pm to 6:30 pm from Monday to Friday.

## 3. CAST AIP Infrastructure

- Logical Infrastructure



Client server

## 4. STANDARD HARDWARE CONFIGURATION

The Production CAST AIP Environment will required one server :

- CAST recommends the following Hardware Requirements:
- Windows Server 2019 or Windows 10 Enterprise
- Intel Core i7, 2.8 GHz or Intel Xeon, 2.6 GHz
- 512 GB SSD Hard Drive Disk
- 24GB RAM minimum to 64GB



## 5. STANDARD SOFTWARE CONFIGURATION

The following CAST Software listed in the links above shall be downloaded on a specific folder:

Specific Windows Configuration (ie:LongPaths)

- CAST AIP Core
- CAST Extend Proxy
- CAST Storage Service/PostgreSQL
- AIP Console (front end)
- AIP Node (back end)
- CAST RestAPI
- Architecture Checker: [Architecture Checker](#)
- Imaging: [Imaging](#)
- CAST AIP to Highlight Tool: [CAIP to HighLight Tool](#)



## Dashboards:

- Health Dashboard: [Health Dashboard](#)
- Engineering Dashboard: [Engineering Dashboard](#)
- Cast RESTAPI: [CAST RESTAPI](#)
- Combined Dashboard (ED & HD): [Combined Dashboard](#)
- Security Dashboard: [Security Dashboard](#)
- Report Generator: [Report Generator](#) and [Reports](#)
  - .NET Core SDK : <https://dotnet.microsoft.com/download/dotnet-core/3.1>
- Report Generator for Dashboards: [Report Generator for Dashboard](#)

**Other software required (x64) will be available on a specific zip made by CAST**

|                  |                    |                     |
|------------------|--------------------|---------------------|
| • JRE 8 (x64)    | • NetFramework 4.6 | • NotePad++         |
| • 7zip           | • Firefox/Chrome   | • DBeaver           |
| • Apache Tomcat  | • KYT libraries    | • Flat Eclipse Neon |
| • Flat Python    | • WinMerge/Kdiff3  | • Cygwin            |
| • TotalCommander | • Docker           | • IntelliJ IDEA     |

## 6. SECURITY & RIGHTS

Security & Rights aspects :

- Server should be available through **RDP** - Remote Desktop Protocol
- A **secure VPN access** for the Server is needed for Cast Users with **copy/paste rights**.
- The user must have **Administrator privileges** to install all the CAST softwares.
- The user must be able to **start/stop/restart services**.
- The user must have **extended writing rights** (%ProgramData% / %Temp% / %AppData%)
- Access to Client Source Code on a specific folder.

Minimum URL access :

- Extend: <https://extend.castsoftware.com/>
- Zendesk: <https://castsoftware.zendesk.com>
- Files: <https://files.castsoftware.com>
- HighLight : <https://rpa.casthighlight.com/>

Open Ports : 8080 ; 8081 ; 2282 ; 2284

## 7. Annexes

The following diagram shows the interaction between AIP Console and the main CAST Components. It also shows the flow from the source code delivery, the "on boarding" analysis part, to the snapshot and Dashboard data consumption.

