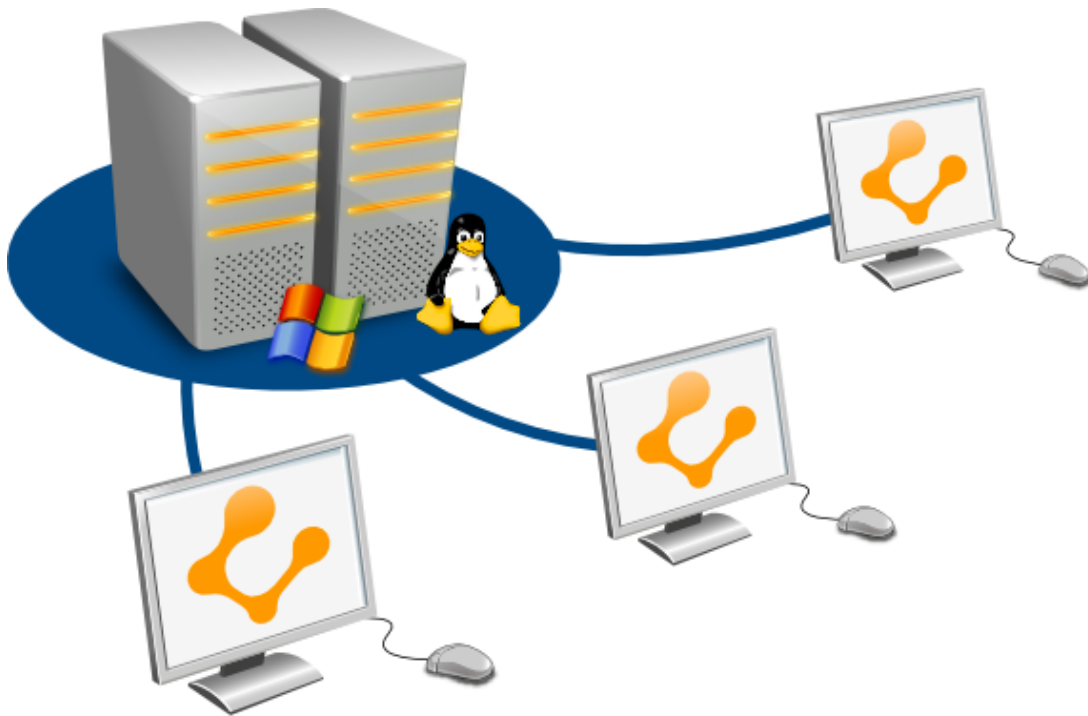


# Ulteo Open Virtual Desktop v3.0

## Architecture Overview



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The purpose of this documentation is to describe the architecture of an *Ulteo Open Virtual Desktop* server farm.

## 1 Servers types and softwares

Ulteo OVD uses several servers with different roles. Part of them are required and the others are optional.

### 1.1 Session Manager

This server is the central piece of an Ulteo OVD architecture. It manages the session launching and hosts the administration console. It is the first software to install.

The Session Manager can only be installed on Linux using a package at the moment, but it is also possible to run it on Windows by installing it from sources.

### 1.2 Application Server

Ulteo OVD is an application and desktop delivery solution so there are some servers which hosts the applications and can be accessed using a remote display solution.

This server can be running on a Linux system or on a Windows system depending on the type of applications or desktop you want to deliver. Of course, you can mix Linux and Windows machines in an Ulteo OVD farm to deliver applications from different systems.

### 1.3 Web Client

This software is used to start an Ulteo OVD session without installing anything on the client machine, only a web browser is required. This is not the only way to start a session, you can also use the Ulteo OVD Native Client. So this software is not required in an Ulteo OVD farm.

### 1.4 File Server

Ulteo OVD is an application and desktop delivery solution but it can be useful to have a centralized file system management to ensure user access to the same files when using applications from different servers. This software manages a network file system that the Application Server access when users are running sessions. It hosts both user profiles and shared folders.

The File Server can only be installed on Linux for now. It is possible to install it on the same machine as an Application Server.

### 1.5 Gateway

Ulteo OVD uses several ports during the session, mainly HTTPS (443) and RDP (3389). But in some places, when the user is mobile, some firewalls are blocking access to those ports. Another possible issue is to have several public IP address for each server.

The Gateway tunnelize all the OVD connections into an HTTPS link. So from anywhere you can have access to HTTPS (443), it will be possible to start Ulteo OVD sessions.

## 2 Subsystem

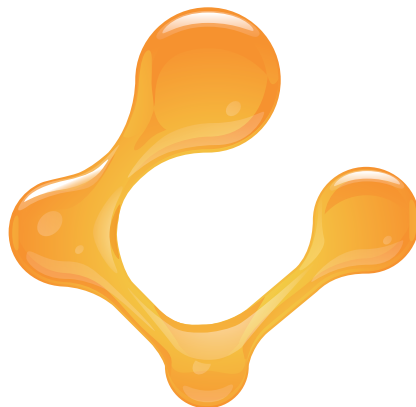
The Subsystem is an archive built and delivered by Ulteo containing an Application Server, a File Server and an Ulteo typical desktop pre-installed. It is the easiest way to setup a demo architecture. It can be installed on any supported Linux distribution.

This subsystem archive can be downloaded when the Session Manager is installed in order to simplify the deployment of Linux OVD Application Servers.

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## Architecture Overview

For further informations, check our website [www.ulteo.com](http://www.ulteo.com).



# Ulteo

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