



IP DIRECTOR APPLICATION NOTE

Browsing requirements

20/12/2016

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INTRODUCTION

This document describes the requirements to meet in order to be able to browse an IP Director database with an IP Browse application or with an IP Director application.

REQUIREMENTS FOR IP DIRECTOR PREREQUISITES

The IP Director is compatible with

- > Windows 7 64 bits
- > Windows 10 64 bits

Windows must be installed in English, with a language pack if necessary.

All EVS hardware comes with the IP Director software pre-installed.

For non EVS Hardware, please refer to the IPD Hardware document to check that your hardware is compatible with IP Director.

The IP Director software can not be installed on a non EVS hardware.

It is mandatory to install IP Director management tasks on an EVS Hardware:

- > Routing connections
- > Synchro DB management:
 - > Server management
 - > Nearline management
 - > Master candidate
- > IP Scheduler
- > API (proxy or server)
- > Hosting the IPD DB

NETWORK REQUIREMENTS

The IP Director client needs to satisfy the following requirements:

- > Access to the Database server through port 1433
- > The following ports must be opened on the IP Director machine
 - > CIFS: TCP 445
 - > IPD protocols: TCP 31001 -> 31040 (these ports are customizable)
- > All three multicast addresses defined in the Remote Installer must be routed to the IP Director machine. By default, these addresses are 224.14.0.1, 224.14.0.2; 224.14.0.3.
- > Simple file sharing must be de-activated on all IP Director workstations.

WINDOWS USER REQUIREMENTS

There are two windows users to consider when using an IP Director :

- > The user that is logged in to the workstation. He needs the following rights:
 - > Local administrator privileges.
 - > Read/Write access to the Near Line storage via UNC path.
 - > Read/Write access to the thumbnail directory via UNC path.
 - > Read/write access to all xml units via UNC path.
 - > Write access to the logs directory.
- > The user that is logged in to the services. This user is defined in the remote installer and is the same for all IP directors in the workgroup. This user must exist on all IP Director workstations and needs the following rights:
 - > Local administrator privileges.
 - > Read access to the Near Line storage via UNC path. If the storage is password protected, a session must be open on the storage when IP Browse is started.
 - > Read access to the thumbnail directory via UNC path (if thumbnails are shown). If the directory is password protected, a session must be open on the storage when IP Browse is started.
 - > Read/write access to all xml units via UNC path.
 - > Write access to the logs directory.

By default, EVS IP Director workstations are configured in workgroup. It is possible to integrate IP Director in a domain. For more detail on how to achieve this, please contact EVS Support.

REQUIREMENTS FOR IP BROWSE PREREQUISITES

The IP Browse is compatible with

- > Windows 7 64 bits
- > Windows 10 64 bits

The following prerequisites must be installed on every workstation running IP Browse:

- > .NET 4.6.2
- > SHA256 (certificate validation – application is signed)

A specific installer for this .NET and SHA2 installation is available on the Download Center.

NETWORK REQUIREMENTS

MISCELLANIOUS

The IP Browse client needs to satisfy the following requirements

- > Access to the Database server through port 1433
- > The following ports must be opened on the IP Browse machine
 - > CIFS: TCP 445
 - > IPD protocols: TCP 31001 -> 31040 (these ports are customizable)
- > Simple file sharing must be de-activated on all IP Director workstations.

MULTICAST ROUTING

The routing service multicast address defined in the Remote Installer must be routed to the IP Browse machine. By default, this address is 224.14.0.1. Routing udp port must be opened in both direction on the multicast (port 31003 by default).

When the client workstation and the IPD management machines are separated by a firewall, the following things must be done:

- > Multicast routing must be activated
 - > On the firewall
 - > On both switches on either side of the firewall
- > A static multicast route must be created on the firewall
- > A rule must be created on the firewall to allow multicast packets to pass through

Warning: Multicast routing is not available with all software versions of switches/firewall.

WINDOWS USER REQUIREMENTS

There is no need for a separate user to log in to the services when running IP Browse.

The user does not need to be local administrator on the machine to run IP Browse.

There are no incompatibilities with users in a domain.

The user must have the following access rights:

- > Read access to the Near Line storage via UNC path. If the storage is password protected, a session must be open on the storage when IP Browse is started.
- > Read access to the thumbnail directory via UNC path (if thumbnails are shown). If the directory is password protected, a session must be open on the storage when IP Browse is started.
- > Read/Write access to all xml units via UNC path.
- > Write access to the logs directory. This directory is configurable in IPBrowse.exe.config, by default it is C:\EVSLogs\.
- > Firewall permissions must be granted for IPBrowse.Exe and SoftwarePlayer.exe