



OfficeMaster EntryControlServer

“OfficeMaster EntryControlServer” integrates Video Door Intercom devices into Unified Communications solutions like Cisco CUCM and Microsoft Skype for Business.

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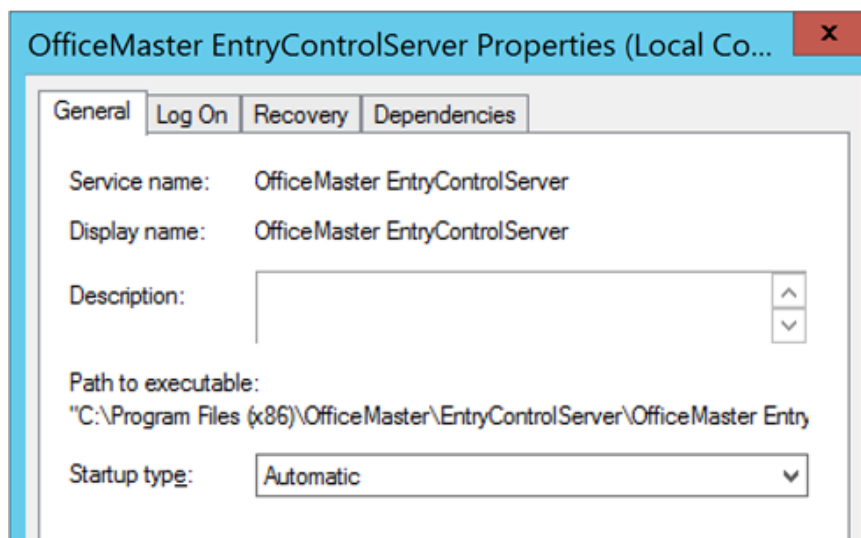
Introduction

“OfficeMaster EntryControlServer” integrates Video Door Intercom devices into Unified Communications solutions like Cisco CUCM and Microsoft Skype for Business. It acts as a SIP B2BUA (back to back user agent) and converts video streams on the fly so that endpoints get native Audio/Video calls. In addition, help texts and other information can be merged into the video signal (e.g. “press *5 to open door”). The software can be run as a service on a Windows PC or Server.

Installation

The current July 2016 preview version can be downloaded at EntryControl Product Landing Page: <https://www.ferrari-electronic.de/>

After running the setup file OfficeMaster EntryControlServer will be installed as a Windows Service set for automatic start:



In addition, some default settings are created in Windows Registry.

Configuration

The current July 2016 preview version is configured using regedit.exe. Later versions will contain a separate graphical user interface for configuration. All global parameters are stored in

[HKEY_LOCAL_MACHINE\SOFTWARE\Wow6432Node\Ferrari\EntryControlServer]

(on 64-Bit Windows systems, on 32-Bit machines without “Wow6432Node” in the path).

Door intercoms are defined separately in subkeys, starting with "1" for the first device. These parameters are explained later. Sample parameters for the first device are preinstalled and can be filled in with actual values. Further devices need to be created separately as needed for subkey 2,3 etc.

Global parameters installed by default:

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Wow6432Node\Ferrari\EntryControlServer]
„ContactDisplayName“=""
„H264BitRate“="360000"
„ContactNumber“=""
„AcceptSIPRegister“="false"
„PassThrough“="0"
„LocalVideoPort“="3216"
„H264InputHeight“="480"
„LocalAddress“="0.0.0.0"
„RespondSIPTryingEarly“="false"
„RespondSIPRingingEarly“="false"
„SIPTrunkPort“="5060"
„H264SkipFrames“="true"
„H264RealTime“="true"
„SIPTrunkProtocol“="UDP"
„H264InputFramerate“="15"
„H264Speed“="0"
„H264InputWidth“="640"
„SIPTrunkAddress“=""
„ForwardSIPReinvite“="1"
„H264Level“="20"
„LocalPort“="5060"
```

All boolean parameters can be defined as either true/1 or false/0.

General parameters which should be configured:

AcceptSIPRegister – activate if incoming REGISTER messages should be accepted

LocalAddress – must be set to the local IP address where the service is running

SIPTrunkPort – can be changed if locally occupied to other value (example: 5062)

SIPTrunkProtocol – UDP for Cisco CUCM, TCP for Skype for Business

SIPTrunkAddress – IP Address of destination (SIP trunk at CUCM or Skype VIS Server)

ForwardSIPReinvite – set to 0 or false for Skype for Business

LocalPort – SIP port for calls from door intercom devices

Other parameters may be changed if necessary. It is recommended that H264InputWidth and H264InputHeight match the resolution of the source devices to avoid CPU load for scaling video frames.

Default parameters for first device:

```
[HKEY_LOCAL_MACHINE\SOFTWARE\Wow6432Node\Ferrari\EntryControlServer\1]
„CallingPartyNumber“=""
„VideoPassword“=""
„CalledNumberForTest“=""
„HelpText“="Press 9 to open door"
„VideoUserName“=""
„VideoUrl“=""
```

Most important parameter is “CallingPartyNumber” – it is used to identify the calling device via the number contained in FROM-Header. VideoUserName, VideoPassword are used to get Video stream from the device specified via VideoUrl (Example: <http://10.6.1.2/axis-cgi/mjpg/video.cgi>).

“HelpText” defines a message which will be embedded into the video.