Installation parameters

AXIS Camera Station Microsoft installer

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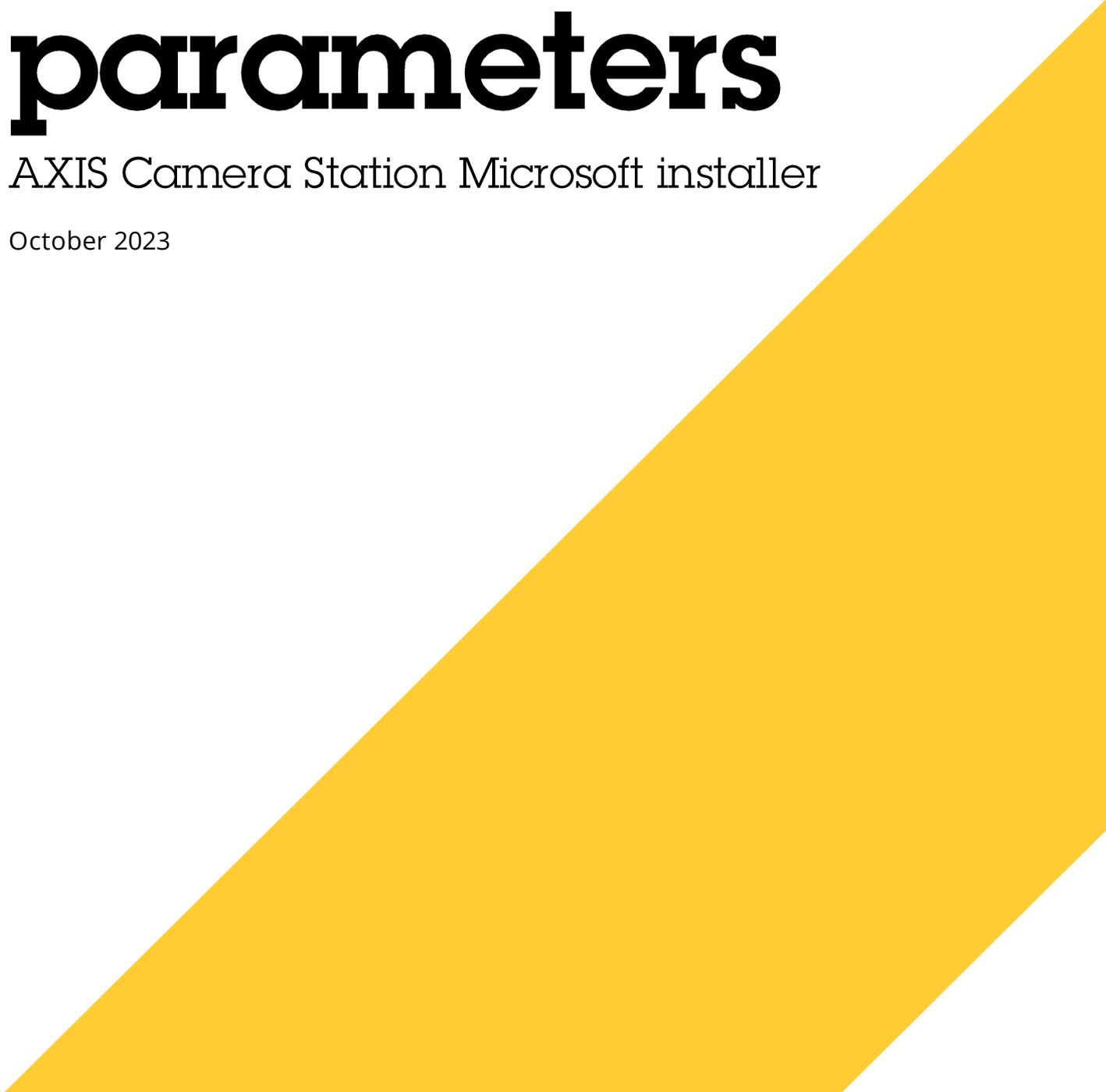
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1. Introduction

An installation parameter for a Microsoft Installer (MSI) package is a command-line argument or parameter used to customize the way software is installed on Windows operating systems. These parameters provide control over the installation process, allowing users, administrators, and IT professionals to automate and tailor the deployment of applications.

Installation switches are especially useful when you need to deploy software on multiple servers efficiently. By using parameters, you can specify various options and configurations without going through the interactive user interface that typically appears during manual installations. This enables a more streamlined and hands-off approach to installing and upgrading software.

For example, an installation parameter can facilitate silent installations, where the software is installed or uprgaded in the background with minimal prompts and user interaction. Other parameters might dictate the installation directory, enable or disable certain features, or apply specific configuration settings. The exact parameters available and their functions can vary between different MSI packages.

In essence, installation parameters for MSI packages offer flexibility and control in the software deployment process, making them invaluable tools for individuals and organizations looking to efficiently manage and customize the installation of applications on Windows-based systems.

2. AXIS Camera Station MSI parameters

Parameter	Default Action	Action	Notes
INSTALLDESKTOPSHORTCUT=	1	Will create a desktop shortcut for AXIS CAMERA STATION pointing to the AXIS Camera StationClient.exe in the Client Latest folder in your install folder.	If you install with UI, this option will be presented as a checkbox in the wizard. During a client switch, the client latest folder might link to another client depending on which one is newer. This means that the shortcut will also point to another .exe
FEEDBACKPERMISSION=	1	Will enable telemetry consent	If you install with UI, this option will be presented as a checkbox in the wizard.
FIREWALLPERMISSION=	1	Will set up firewall permissions for client and server	If you install with UI, this option will be presented as a checkbox in the wizard.
LAUNCHCLIENT=	1	Will launch the client after installation	If you install with UI, this option will be presented as a checkbox in the wizard.
LAUNCHSERVER=	1	Will launch the server after the installation	Created for a specific test for developers so it is rarely used but there might be some use case for a customer.
INSTALLFOLDER=	C:\Program Files\Axis Communications\AXIS Camera Station\	Will set the installation folder	If you install with UI, this option will be presented in the wizard.
DISABLETLSPERMISSION=	1	Permission to disable TLS 1.0 and 1.1 on the system	If you install with UI, this option will be presented as a checkbox in the wizard. Will disable TLS first after restart of computer.

PRODUCTLANGUAGE=	The MSI will try to set this value to the computers regional language code.	Will change the language that the installer is presenting and change the pre-selected language for AXIS CAMERA STATION.	Arabic (Saudi Arabia)	1025
			Czech (Czech Republic)	1029
			German (Germany)	1031
			English (United States)	1033
			Spanish (Spain, International Sort)	1034
			Finnish (Finland)	1035
			French (France)	1036
			Hebrew (Israel)	1037
			Italian (Italy)	1040
			Japanese (Japan)	1041
			Korean (Korea)	1042
			Dutch (Netherlands)	1043
			Polish (Poland)	1045
			Portuguese (Brazil)	1046
			Russian (Russia)	1049
			Swedish (Sweden)	1053
			Thai (Thailand)	1054
			Turkish (Turkey)	1055
			Chinese (Simplified, People's Republic of China)	2052
			Chinese (Traditional, Hong Kong S.A.R.)	3076

3. Standard MSI parameters

/quiet, /q /qn	quiet installation, no UI in the installation
/norestart	No restart is forced during installation.
/passive	Installation in between quiet and full UI. Will show a progress bar but nothing more.
/x	Uninstalls the package.
/l	If you need to debug your installation package, you can set the parameters to create a log file with specific information. /li Turns on logging and includes status messages in the output log file. /lw Turns on logging and includes non-fatal warnings in the output log file. /le Turns on logging and includes all error messages in the output log file. /la Turns on logging and includes information about when an action started in the output log file. /lr Turns on logging and includes action-specific records in the output log file. /lu Turns on logging and includes user request information in the output log file. /lc Turns on logging and includes the initial UI parameters in the output log file. /lm Turns on logging and includes out-of-memory or fatal exit information in the output log file. /lo Turns on logging and includes out-of-disk-space messages in the output log file. /lp Turns on logging and includes terminal properties in the output log file. /lv Turns on logging and includes verbose output in the output log file. /lx Turns on logging and includes extra debugging information in the output log file. /l+ Turns on logging and appends the information to an existing log file. /l! Turns on logging and flushes each line to the log file. /l* Turns on logging and logs all information, except verbose information (/lv) or extra debugging information (/lx).

For additional information and advanced parameters for installing MSI packages via the command line using msiexec, it's recommended to visit the official Microsoft documentation. The webpage https://learn.microsoft.com/en-us/windows-server/administration/windows-commands/msiexec provides a comprehensive guide on utilizing msiexec to manage installations of MSI packages.

4. Error codes

Error codes in MSI (Microsoft Installer) installations are crucial for troubleshooting and understanding the status and potential issues during the installation or uninstallation of software. These error codes are numeric values that correspond to specific errors, warnings, or informational messages. They provide information into the nature of any issues encountered, such as problems with the installation package, insufficient system resources, or issues with system configuration.

Being able to decode and understand these error codes is vital for system administrators to diagnose problems accurately and implement appropriate solutions. For a comprehensive list of MSI error codes and their descriptions, visiting the Microsoft documentation is highly recommended. To gain further details and specifics about each error code visit https://learn.microsoft.com/en-us/windows/win32/msi/error-codes.

5. Considerations and limitations

- The parameters shown are available from AXIS Camera Station 5.55 version and will to extend to other versions.
- Not all switches will work depending on the user that is running the command. Ex: running as the system user can prevent the desktop icon from being generated.
- If AXIS Camera Station is already installed, this will update the current installation with the same components and installation type that it was already installed with.
- The Update page in the AXIS Camera Station user interface will download an .exe instead of MSI, which can not be installed.
- If you install under a custom path, you will not be able to do a repair unless you manually stop the acs services in task manager.
- Translation for Persian and Vietnamese not yet included for the installer.
- msiexec advertising (/j) is NOT supported.
- When using a client that was installed with an MSI in a custom install directory, and trying to connect to a remote server of a different version, the client is unable to switch to the correct version and cannot connect to the server.
- Client Switch from a client older than 5.54 where the Username contains a blank space ,eg "Axis Admin", to a server running MSI will fail. These Client will have to be manually upgraded.