

MAXPRO® VMS R470 Build 476, SILENT INSTALLATION Notes

Overview

This installation notes describes how to invoke the MAXPRO® VMS Silent Installation for R470 build 476 and lists various Silent Installation Parameters that will be installed without manual intervention.

STEPS TO INVOKE THE VMS SILENT INSTALLATION

1. Launch the setup.exe from the Maxpro VMS Raw Setup folder with the command line parameters specified in section (2) below. Also for silent un-installation the setup.exe can be launched from the Add/Remove Programs temporary folder instead of Setup folder. Registry key from where we can retrieve the temporary exe path and ARP command line for Add/Remove Programs un-installation is
 - a. "HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\Uninstall\{83C10F6D-09F7-4E81-85E3-8CD26EBE908B}"
 - b. Value - UninstallString (Ex: "C:\Program Files\InstallShield Installation Information\{83C10F6D-09F7-4E81-85E3-8CD26EBE908B}\setup.exe" -runfromtemp -I0x0409 -removeonly)
 - c. Append appropriate command line parameters for Silent Un-installation from section(2) below with the data fetched from above registry key and value.
2. The progress of VMS Installation is stored under the Registry Key "HKEY_LOCAL_MACHINE\SOFTWARE\Honeywell\M&M\SilentInstallation" with following values
 - a. "Progress"="4 of 44components installed" - Progress of VMS Silent Install
 - b. "CurrentComponent"="BONJOUR" - Current Component which is being installed
 - c. "NoOfComponentsInstalled"=4- No of components installed successfully
 - d. "TotalComponents"=44- Total no of components based upon the features selected
 - e. "LastComponent"="Milestone"- Last component which has been installed successfully
3. If at all any error occurs during the Silent Installation the same registry is updated with the error code and description.
 - a. "ErrorCode"=0X001
 - b. "ErrorId"="RESTART_REQUIRED"
 - c. "ErrorDescription"="Restart Required for VMS Setup"

Silent Installation Parameters

Common Silent Install Switches (Mandatory)

1. SILENT - This is a mandatory parameter which has to be passed for VMS Silent Installation
2. VMS - Master Switch that has to be specified for the passing inputs for VMS Master Setup.

- a. DOMAINNAME -Logged On Domain Name
 - b. USERNAME - Logged On User Name
 - c. PASSWORD - Logged On Password
 - d. INSTALLDIR - Install Dir of VMS
3. INSTALL- VMS Fresh Installation and Reinstallation
4. VMSUNINSTALL - VMS Un-installation

Feature Silent Install Switch

S.no	Parent Feature	Child Feature	Silent Install Switch	Installation Input Parameters	Un-Installation Input Parameters
Full Installation					
0	All features listed below		COMPLETE	SYSTEMNUMBER, AUTHORIZATIONKEY, INSTANCENAME, DATABASEPATH, RETAINDATABASE, CONTROLLERCACHEPATH, ANALYTICSLANGUAGE	RETAINDBUNINSTALL, DVMDBRETAIN, ANALYTICSRETAINDB
Custom Installation					
1	VMS Client		CLIENT	SERVERNAME,ADDWORKSTATION, SERVERDBINSTANCE, LOOPBACKADAPTER, CLIENTSHORTCUT	
2	VMS Server		SERVER	INSTANCENAME, DATABASEPATH, RETAINDATABASE, CONTROLLERCACHEPATH	RETAINDBUNINSTALL
3	VMS Framework		FRAMEWORK	SERVERNAME, ADDWORKSTATION	
4	IP Engine (DB+CS)		IPENGINESERVER	SYSTEMNUMBER, AUTHORIZATIONKEY, DVMDBSERVERTYPE, DVMINSTALLDIR, DVMCLIPDIR, DVMARCHIVEDIR, DVMDATADIR	DVMDBRETAIN
4.1		Database server (DB)	DATABASESERVER	SYSTEMNUMBER, AUTHORIZATIONKEY, DVMDBSERVERTYPE, DVMINSTALLDIR, DVMCLIPDIR, DVMARCHIVEDIR, DVMDATADIR	DVMDBRETAIN

S.no	Parent Feature	Child Feature	Silent Install Switch	Installation Input Parameters	Un-Installation Input Parameters
4.2		Camera server (CS)	CAMERASERVER	DVMDATABASESERVER, DVMINSTALLDIR, DVMCLIPDIR, DVMARCHIVEDIR, DVMDATADIR	
5	Device Drivers		DEVICEDRIVERS		
5.1		RapidEye	RAPIDEYE		
5.2		Fusion	FUSION		
5.3		Enterprise	ENTERPRISE		
5.4		Intellex	INTELLEX		
5.5		IP Engine	IPENGINE DRIVER		
5.6		Pelco	PELCO		
5.7		HRXD	HRXD		
5.8		HRDP	HRDP		
5.9		Digital Sentry	DIGITALSENTRY		
5.10		Milestone	VMSMILESTONE		
5.11		MaxproNVR	VMSMAXPRONVR		
5.12		MaxproVMS	VMSMAXPROVMS		
6	Analytics Engine		ANALYTICSENGINE	ANALYTICSLANGUAGE	ANALYTICSRETAINDB
6.1		Server & Client	ANALYTICSSERVER	ANALYTICSLANGUAGE	ANALYTICSRETAINDB
6.2		Client	ANALYTICSCLIENT	ANALYTICSLANGUAGE	
6.3		Driver	ANALYTICSDRIVER		

Input Parameters and their values:

S.no	Input Parameter Name	Possible Values	Required /Optional	Default Value	Parent Switch	Parameter Type
1	DOMAINNAME	<Domain Name of Logged on User>	Required	-NA-	VMS	Installation
2	USERNAME	<User Name of Logged on User>	Required	-NA-	VMS	Installation
3	PASSWORD	<Password of Logged on User>	Required	-NA-	VMS	Installation
4	AUTOLOGON	TRUE(Enable Autologon)/FALSE	Optional	TRUE	VMS	Installation
5	INSTALLDIR	<Install Path for Maxpro VMS>	Optional	ProgramFiles	VMS	Installation
6	SYSTEMNUMBER	<System No for IPEngine>	Required	-NA-	COMPLETE, IPENGINESERVER, DATABASESERVER	Installation
7	AUTHORIZATIONKEY	<Authorization Key for IPEngine>	Required	-NA-	COMPLETE, IPENGINESERVER, DATABASESERVER	Installation
8	INSTANCENAME	<SQL Instance Name for VMS Server>	Optional	.\SQLEXPRESS	COMPLETE, SERVER	Installation
9	DATABASEPATH	<Database Path for VMS Server>	Optional	ProgramFiles(If SQL Instance is not present) else SQL Data Path	COMPLETE, SERVER	Installation
10	RETAINDATABASE	YES(To Retain DB)/NO(To delete DB)	Optional	YES	COMPLETE, SERVER	Installation
11	CONTROLLERCACHE PATH	<Controller Cache Path for VMS Server>	Optional	<INSTALLDIR>\Honeywell\TrinityFramework\CacheFiles	COMPLETE, SERVER	Installation

S.no	Input Parameter Name	Possible Values	Required /Optional	Default Value	Parent Switch	Parameter Type
12	ANALYTICSLANGUAG E	<Language Name>	Optional	English	COMPLETE, ANALYTICSENGINE, ANALYTICSSERVER, ANALYTICSCLIENT	Installation
13	SERVERNAME	<Maxpro VMS Server Name>	Required	-NA-	CLIENT, FRAMEWORK	Installation
14	ADDWORKSTATION	YES(To Add Workstation)/NO	Optional	NO	CLIENT	Installation
15	SERVERDBINSTANC E	<VMS Server SQL DB Instance>	Optional	.\SQLEXPRESS	CLIENT	Installation
16	LOOPBACKADAPTER	TRUE(Install Loop Back Adapter)/ FALSE	Optional	TRUE	CLIENT	Installation
17	CLIENTSHORTCUT	TRUE(Maxpro VMS Client Shortcut will be created)/FALSE	Optional	TRUE	CLIENT	Installation
18	LAUNCHCLIENTAGE NT	TRUE(To launch Maxpro VMS Client Agent)/ FALSE	Optional	TRUE	CLIENT	Installation
19	DVMDBSERVERTYPE	REDUNDANT/NONREDUN DANT	Optional	NONREDUNDANT	IPENGINESERVER, DATABASESERVER	Installation
20	DVMDATABASESERV ER	<IPEngine Database Server Name>	Required	-NA-	IPENGINESERVER, CAMERASERVER	Installation
21	DVMINSTALLDIR	<IPEngine Install Path>	Optional	<INSTALLDIR>\IPEngin e\ Honeywell	IPENGINESERVER, DATABASESERVER, CAMERASERVER	Installation
22	DVMCLIPDIR	<IPEngine Clip Path>	Optional	<INSTALLDIR>\IPEngin e\ Honeywell\Clips	IPENGINESERVER, DATABASESERVER, CAMERASERVER	Installation
23	DVMARCHIVEDIR	<IPEngine Archive Path>	Optional	<INSTALLDIR>\IPEngin e\ Honeywell\Archive	IPENGINESERVER, DATABASESERVER, CAMERASERVER	Installation

S.no	Input Parameter Name	Possible Values	Required /Optional	Default Value	Parent Switch	Parameter Type
24	DVMDATADIR	<IPEngine Data Path>	Optional	<INSTALLDIR>\IPEngine\ Honeywell\Data	IPENGINESERVER, DATABASESERVER, CAMERASERVER	Installation
25	RETAINDBUNINSTALL	YES(Retain Database)/NO(Delete DB)	Optional	YES	COMPLETE, SERVER	Un-Installation
26	DVMDDBRETAIN	YES(Retain Database)/NO(Delete DB)	Optional	YES	COMPLETE, IPENGINESERVER, DATABASESERVER	Un-Installation
27	ANALYTICSRETAINDB	YES(Retain Database)/NO(Delete DB)	Optional	YES	COMPLETE, ANALYTICSENGINE, ANALYTICSSERVER	Un-Installation

Syntax :

setup.exe /Switch_Name1[InputParameterList] /Switch_Name2[InputParameterList]

1. All switches should start with /
2. All the Input Parameter List for a particular switch should be specified in between [and]
3. Each Input Pair in Input Parameter List has to be separated by?
4. Each Input Parameter contains Parameter Name and value which should be separated with =
5. Input Parameter Value should be given in double quotes.

Eg: /VMS[DOMAINNAME="hts"?USERNAME="Administrator"?PASSWORD="Password1"?INSTALLDIR="C:\Program Files"]

Example:

<path of setup.exe>/SILENT /INSTALL /VMS[DOMAINNAME="hts"?USERNAME="Administrator"?PASSWORD="Password1"?INSTALLDIR="C:\Program Files"] /CLIENT /SERVER /FRAMEWORK /RAPIDEYE /hide_progress

Error Codes

When VMS Silent Installation is launched and it comes across any error it updates the above mentioned registry key with Error Code and Description. The Total List of Error Codes is usually fetched from the ErrorCodes.xml from the Maxpro VMS Raw Setup folder. The Contents and A sample ErrorCodes.xml has been given here.

Sample ErrorCodes is given below:

```
<?xml version="1.0"?>
-<SilentInstallErrorCodes xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <ErrorCode Description="Maxpro VMS Installation\Un-installation has been Succeeded" Id="INSTALL_SUCCESS"
  Code="000"/>
  <ErrorCode Description="Maxpro VMS Installation\Un-installation has been succeeded and a Restart is Required"
  Id="RESTART_REQUIRED_END" Code="001"/>
  <ErrorCode Description="Restart Required for Maxpro VMS Setup" Id="RESTART_REQUIRED_BTW" Code="002"/>
  <ErrorCode Description="Feature Selected are already installed" Id="FEATURE_INSTALLED" Code="003"/>
  <ErrorCode Description="Trinity/DVM Services have to be started manually" Id="STARTAPP_MANUAL"
  Code="004"/>
  <ErrorCode Description="Invalid Command Line Switch." Id="CMDLINE_ERROR" Code="101"/>
  <ErrorCode Description="Input Parameters are invalid." Id="INVALID_INPUT" Code="102"/>
  <ErrorCode Description="User needs Administrative Privileges to run Maxpro VMS Setup" Id="NOT_ADMIN"
  Code="103"/>
  <ErrorCode Description="UAC has to be disabled" Id="UAC_TURNOFF" Code="104"/>
  <ErrorCode Description="Upgrade is not supported for this Maxpro VMS Setup." Id="UPGRADE_ERROR"
  Code="105"/>
  <ErrorCode Description="Windows Features should be Enabled" Id="ENABLE_WINFEAT" Code="106"/>
  <ErrorCode Description="IIS is not present in the system" Id="IIS_REQUIRED" Code="107"/>
  <ErrorCode Description="Failed to restore saved session" Id="RESTORESAVESESS_ERROR" Code="108"/>
  <ErrorCode Description="User Authentication failed" Id="LOGIN_FAIL" Code="109"/>
  <ErrorCode Description="IPEngine requires Destination drive that has NTFS file system." Id="NTFS_REQUIRED"
  Code="110"/>
  <ErrorCode Description="IPEngine needs SQL Server 2000 to be uninstalled." Id="SQL2K_PRESENT"
  Code="111"/>
  <ErrorCode Description="No feature is selected for installation" Id="NO_FEATURE_SELECTED" Code="112"/>
  <ErrorCode Description="Not all features are selected for Complete Installation" Id="NOTALLFEATURE_SELECTED"
  Code="113"/>
  <ErrorCode Description="Atleast one device has to be selected" Id="DEP_DEVICE_NOTSELECT" Code="114"/>
  <ErrorCode Description="Atleast one device driver has to be selected" Id="DEP_DD_NOTSELECT" Code="115"/>
  <ErrorCode Description="SQL Password cannot be blank" Id="PASSWORD_REQ" Code="116"/>
  <ErrorCode Description="Invalid SQL Instance Name specified" Id="INVALID_INSTANCE" Code="117"/>
  <ErrorCode Description="Invalid Trinity Database Path specified" Id="INVALID_DBPATH" Code="118"/>
  <ErrorCode Description="Invalid Controller Data File Path" Id="INVALID_DATAFILE" Code="119"/>
  <ErrorCode Description="Invalid Maxpro VMS Server Name" Id="INVALID_VMSSERVER" Code="120"/>
  <ErrorCode Description="Unable to connect to Trinity Database in Server Machine" Id="INVALID_DBSERVER"
  Code="121"/>
  <ErrorCode Description="Invalid IPEngine System No and Authorization Key" Id="DVM_AUTH_FAIL" Code="122"/>
  <ErrorCode Description="Invalid IPEngine Primary Database Server" Id="INVALID_DVMDBSERVER" Code="123"/>
```

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```
<ErrorCode Description="Failed to update IPEngine Server ini file" Id="DVMINI_UPDATE_FAIL" Code="124"/>
<ErrorCode Description="All Trinity and DVM Services/Applications have to be stopped to proceed Maxpro VMS
Installation" Id="SERVICES_RUNNING" Code="125"/>
<ErrorCode Description="Failed to Install Maxpro VMS Setup" Id="INSTALL_FAILURE" Code="201"/>
<ErrorCode Description="Failed to Upgrade Maxpro VMS Setup" Id="UPGRADE_FAILURE" Code="202"/>
<ErrorCode Description="Failed to UnInstall Maxpro VMS Setup" Id="UNINSTALL_FAILURE" Code="203"/>
<ErrorCode Description="Error in Maxpro VMS Setup" Id="GENERIC_ERROR" Code="601"/>
</SilentInstallErrorCodes>
```


ErrorCodes:

Error Code	Error Description	Error ID
000	Maxpro VMS Installation\Un-installation has been Succeeded	INSTALL_SUCCESS
001	Maxpro VMS Installation\Un-installation has been succeeded and a Restart is Required	RESTART_REQUIRED_END
002	Restart Required for Maxpro VMS Setup	RESTART_REQUIRED_BTW
003	Feature Selected are already installed	FEATURE_INSTALLED
004	Trinity/DVM Services have to be started manually	STARTAPP_MANUAL
101	Invalid Command Line Switch.	CMDLINE_ERROR
102	Input Parameters are invalid.	INVALID_INPUT
103	User needs Administrative Privileges to run Maxpro VMS Setup	NOT_ADMIN
104	UAC has to be disabled	UAC_TURNOFF
105	Upgrade is not supported for this Maxpro VMS Setup.	UPGRADE_ERROR
106	Windows Features should be Enabled	ENABLE_WINFEAT
107	IIS is not present in the system	IIS_REQUIRED
108	Failed to restore saved session	RESTORESASESS_ERROR
109	User Authentication failed	LOGIN_FAIL
110	IPEngine requires Destination drive that has NTFS file system.	NTFS_REQUIRED
111	IPEngine needs SQL Server 2000 to be uninstalled.	SQL2K_PRESENT
112	No feature is selected for installation	NO_FEATURE_SELECTED
113	Not all features are selected for Complete Installation	NOTALLFEATURE_SELECTED
114	Atleast one device has to be selected	DEP_DEVICE_NOTSELECT
115	Atleast one device driver has to be selected	DEP_DD_NOTSELECT
116	SQL Password cannot be blank	PASSWORD_REQ
117	Invalid SQL Instance Name specified	INVALID_INSTANCE
118	Invalid Trinity Database Path specified	INVALID_DBPATH
119	Invalid Controller Data File Path	INVALID_DATAFILE
120	Invalid Maxpro VMS Server Name	INVALID_VMSSERVER
121	Unable to connect to Trinity Database in Server Machine	INVALID_DBSERVER
122	Invalid IPEngine System No and Authorization Key	DVM_AUTH_FAIL

Error Code	Error Description	Error ID
123	Invalid IPEngine Primary Database Server	INVALID_DVMDBSERVER
124	Failed to update IPEngine Server ini file	DVMINI_UPDATE_FAIL
125	All Trinity and DVM Services/Applications have to be stopped to proceed Maxpro VMS Installation	SERVICES_RUNNING
201	Failed to Install Maxpro VMS Setup	INSTALL_FAILURE
202	Failed to Upgrade Maxpro VMS Setup	UPGRADE_FAILURE
203	Failed to UnInstall Maxpro VMS Setup	UNINSTALL_FAILURE
601	Error in Maxpro VMS Setup	GENERIC_ERROR

Examples

Complete Install:

```
E:\TrinityFrameWorkBeta\setup.exe /SILENT /INSTALL
/VMS[DOMAINNAME="WIN-KHMQ0SE28H5"?USERNAME="admin"?PASSWORD="Temp@786"?INSTALLDIR="E:\\"
?AUTOLOGON="TRUE"] /SERVER /CLIENT /FRAMEWORK /IPENGINE DRIVER /VMSMAXPRONVR
/VMSMAXPROVMS /ANALYTICSSERVER /ANALYTICSDRIVER
```

```
C:\Users\Administrator> C:\Users\Administrator\Desktop\TrinityFrameWorkBeta\setup.exe /SILENT /INSTALL
/VMS[DOMAINNAME="WIN-OOK61TS14M4"?USERNAME="e999000"?PASSWORD="Password1"]
/SERVER[INSTANCENAME=".\SQLEXPRESS"?SQLAUTHMODE="1"?SQLUSER="sa"?SQLPASSWORD="Password
1"] /CLIENT /FRAMEWORK /VMSDEVICEDRIVERS /ANALYTICSSERVER /ANALYTICSDRIVER
```

```
C:\Users\Administrator\Desktop\TrinityFrameWorkBeta\setup.exe /SILENT /INSTALL /VMS[DOMAINNAME="WIN-
OOK61TS14M4"?USERNAME="e999000"?PASSWORD="Password1"?INSTALLDIR="C:\VMS"?AUTOLOGON="TRUE"]
/SERVER /CLIENT /FRAMEWORK /VMSMAXPROWEBCLIENT /IPENGINE DRIVER /VMSMAXPRONVR
/VMSMAXPROVMS /ANALYTICSSERVER /ANALYTICSDRIVER
```

Maintenance Install:

```
E:\TrinityFrameWorkBeta\setup.exe /SILENT /INSTALL
/VMS[DOMAINNAME="WIN-KHMQ0SE28H5"?USERNAME="admin"?PASSWORD="Temp@786"?INSTALLDIR="E:\\"
?AUTOLOGON="TRUE"] /RAPIDEYE
```

Maintenance Remove Few:

```
E:\TrinityFrameWorkBeta\setup.exe /SILENT /VMSUNINSTALL /RAPIDEYE
```

Upgrade complete install:

```
C:\Users\admin\Desktop\TrinityFrameWorkBeta\setup.exe /SILENT /VMSUPGRADE
/VMS[DOMAINNAME="IE11Win764-2"?USERNAME="admin"?PASSWORD="Password1"] /SERVER /CLIENT
/FRAMEWORK /VMSDEVICEDRIVERS /ANALYTICSSERVER /ANALYTICSDRIVER
```

Upgrade Client install:

```
C:\Users\e999000\Desktop\TrinityFrameWorkBeta\setup.exe /SILENT /VMSUPGRADE  
/VMS[DOMAINNAME="IE11Win732-2"?USERNAME="e999000"?PASSWORD="Password1"?AUTOLOGON="TRUE"]  
/CLIENT /FRAMEWORK /VMSDEVICEDRIVERS /ANALYTICSSERVER /ANALYTICSDRIVER
```

Complete Uninstall:

```
C:\Users\admin\Desktop\TrinityFrameWorkBeta\setup.exe /SILENT /VMSUNINSTALL /COMPLETE
```

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