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| Project information | | | |
| Title: | MyID Vsc Implementation | | |
| Status: |  | Revision: | 2 |
| Requested by: |  | Author: | Gerik Rhoden |
| Project ref: |  | Bug ref: | MYIDENT-4869 |

# Introduction

This describes the capabilities of the MyID Vsc implementation and installation.

This document is public.

# Changes

1 Created

2 Added MyIDVscIPT registry values

# 32/64 bit systems

All components are available as 32 or 64 bit, which are installed only on their respective systems, except for the minidriver which has both 32 and 64 versions installed on 64 bit host systems.

# Installation

There are two driver install packages.

* MyIDVirtualReader\_Package – this contains the virtual smart card reader and virtual card applet.
* MyIDVscDriver\_Package – this contains the minidriver.

Because the reader is virtual, ie there is no physical hardware, plug and play cannot work with it. Therefore both driver packages must be preinstalled. This is done by using:

* MyIDVscInstall install

If the default directory structure is used, then the above works, otherwise:

* MyIDVscInstall install <path to>\MyIDVirtualReader.inf
* MyIDVscInstall install <path to>\MyIDVscDriver.inf

If an updated driver has been supplied:

* MyIDVscInstall upgrade

This will update the drivers for all virtual readers.

Once this is done, it is possible to use one of the reader create and remove methods.

Other components are installed as follows:

* MyIDVscService –service
* regsvr32 MyIDVscCfg.dll
* regsvr32 IPTCredentialProvider.dll

Component removal:

* sc delete MyIDVscService
* regsvr32 /u MyIDVscCfg.dll
* regsvr32 /u IPTCredentialProvider.dll

Other:

* MyIDVscIPT.exe must be in the folder as MyIDVscService.exe

Adding and removing the IPTCredentialProvider is immediate and requires no further action.

# Creating and removing readers

What is available depends on the installation type. All actions require local administrator permissions.

## MyID

Creating and removing readers and their contents in handled entirely by MyID processes. This is enabled by methods in a .NET component provided by MyIDVscCfgNet.dll.

## Intel Authenticate

Software provided by Intel Authenticate can create and remove readers. This is provided by Intel.

This is enabled by a functions contained in MyIDIntelAuthenticate.dll. Not yet available.

## MyIDVscConf

This is a developer test tool.

* MyIDVscConf create type [name] [csp]  
  type of key storage  
  name is an optional device friendly name  
  csp is an optional name of a CSP provider
* MyIDVscConf remove  
  This lists the available MyID virtual readers
* MyIDVscConf remove <n>  
  This removes a reader numbered <n>
* MyIDVscConf policy reader min max allowed  
  reader – MyID virtual reader name  
  min – minimum PIN length, 4 – 127, min <= max  
  max – maximum PIN length, 4 – 127, min <= max  
  allowed - length 5, contains ARD (Allow, Required, Disallow) for (upper case, lower case, digits, special, non printable)

## COM object

The above tool uses a COM object to do the work. This is contained in MyIDVscCfg.dll. However the interface to this COM object is opaque as it does not contain a type library.

## Device Manager

It is possible to remove virtual readers and smart cards using Device Manager. This removal cannot be undone.

It is also possible to upgrade the driver and remove the software.

It is not possible to create readers with Device Manager.

# Configuration

## MyIDVscIPT

This uses a registry value:

Windows Registry Editor Version 5.00

[HKEY\_LOCAL\_MACHINE\SOFTWARE\Intercede\MyIDVSc\IPT]

"Lifetime"=dword:00000078

This defines the lifetime in seconds of the MyIDVscIPT process. It will stop automatically after this time has passed since the previous cryptographic operation.

The default is 2 minutes. This registry entry is created when “MyIDVscService –service” is run.

# References

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| **Number** | **Title and version** | **Author** | **Date** |
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# Document History

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| --- | --- | --- | --- | --- | --- |
| **Date** | **Description of change** | **Section(s)** | **Rev No.** | **Reviewed by** | **Approved by** |
| 13 May 2016 | Created |  |  |  |  |
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