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| Project information | | | |
| Title: | MyID Vsc Configuration Interface | | |
| Status: |  | Revision: | 1 |
| Requested by: |  | Author: | Gerik Rhoden |
| Project ref: |  | Bug ref: | MYIDENT-4869 |

# Introduction

This describes the COM interface provided by MyIDVscCfg.idl.

This document should on be released to those customers who have contracted to receive it.

# Changes since last issue

None.

# MyIDVscCfg.idl

This is the definition of the COM interface.

// MyIDVscCfg.idl : IDL source for MyIDVscCfg

// Copyright © Intercede Group Plc 2016

import "unknwn.idl";

[

local,

object,

oleautomation,

pointer\_default(unique),

uuid(1DD455C0-CC93-4BAB-854F-59A6A0146BC0)

]

interface IVscCfg : IUnknown

{

[id(1)] HRESULT Create([in] BSTR card, [in] BSTR name, [in] BSTR csp, [out] LONG\* error, [out] VARIANT\_BOOL\* reboot, [out] BSTR\* instanceId);

[id(2)] HRESULT Remove([in] BSTR instanceId, [out] LONG\* error, [out] VARIANT\_BOOL\* reboot);

[id(3)] HRESULT Policy([in] BSTR reader, [in] LONG minLength, [in] LONG maxLength, [in] BSTR allowed, [out] LONG\* error);

};

[

uuid(559191EA-31DD-4754-A6EC-D284C2CA5ACA),

version(1.0),

]

library MyIDVscCfgLib

{

[

uuid(8745ED1F-F598-4610-81A9-758C5C58B087)

]

coclass VscCfg

{

[default] interface IVscCfg;

};

};

# Methods

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

## Create

Creates a MyID Virtual Smart Card:

* [in] BSTR card – type of card, see below
* [in] BSTR name – friendly name, may be NULL
* [in] BSTR csp – a name of a CSP provider, may be NULL, only used if the card type is CSP
* [out] LONG\* error – an HRESULT type error code
* [out] VARIANT\_BOOL\* reboot – if the driver installation process has requested a reboot.
* [out] BSTR\* instanceID – the device instance ID of the installed reader

Card types:

* CNG – key storage is in the “Microsoft Software Key Storage Provider”, only RSA keys are allowed
* ECC – key storage is in the “Microsoft Software Key Storage Provider”, RSA and ECDSA keys are allowed
* CSP – key storage is in the named csp parameter, or the “Microsoft Enhanced RSA and AES Cryptographic Provider” if it is blank
* IPT – key storage is in Intel Authenticate, a user PIN is required
* ITL – key storage is in Intel Authenticate, no user PIN

Note that the friendly name will only be shown in the Control Panel Device Manager, and will be lost if the driver software is updated.

## Remove

Removes a MyID Virtual Smart Card:

* [in] BSTR instanceID – the device instance ID of an installed reader
* [out] LONG\* error – an HRESULT type error code
* [out] VARIANT\_BOOL\* reboot – if the driver installation process has requested a reboot.

## Policy

This sets the PIN policy for card types, CNG, ECC & CSP:

* [in] BSTR – MyID virtual reader name
* [in] LONG – minimum PIN length, 4 – 127, min <= max
* [in] LONG – maximum PIN length, 4 – 127, min <= max
* [in] BSTR allowed – length 5, contains ARD (Allow, Required, Disallow) for (upper case, lower case, digits, special, non printable)
* [out] LONG\* error – an HRESULT type error code

The default policy is:

* Minimum – 8
* Maximum – 32
* Allowed – AAAAD

# Installation

Installation and uninstallation of the component is via standard use of regsvr32.

# 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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