

Title Interface Description	Confidentiality Confidential	Document no KS003M0078B0	Revision V1
Project Reptile API WCF service	Issued by Veronica Olsson		Date 2013-10-08

Interface Description

ReptileAPI

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1 DOCUMENT INFORMATION

1.1 Summary

Interface description for Reptile API. ReptileAPI will be a WCF service implemented in VB.NET it will be embedded into Reptile application and will only run when Reptile application is running. The URL for the WCF service will be something like this:

http://localhost:8732/ReptileAPI/

1.2 Terminology

DUT Device Under Test

Optional A parameter that is optional in the methods can be left blank when calling the WCF service.

1.3 References

N/A

1.4 Revision history

Revision	Comment	Changed by /date	Approved by / date
P1	First draft Improved descriptions	VEOL/2013-09-02 VEOL/2013-10-08	

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2 FUNCTION OVERVIEW

The main functions in the Reptile API are:

Function	Description
setSerial	Sets serial number and opens correct form just as if serial number was scanned in Reptile application.
setSerialAndUser	Sets serial number and opens correct form just as if user name was entered and serial number was scanned in Reptile application.
setSerialAndTimestamp	Sets serial number and waits for protocol with given start time to get into Quality database and opens correct form just as if serial number was scanned in Reptile application.
setSerialUserAndTimestamp	Sets serial number and waits for protocol with given start time to get into Quality database and opens correct form just as if user name was entered and serial number was scanned in Reptile application.
minimizeForm	Minimize to task bar current main form of Reptile.

3 MAIN FUNCTIONS

All main functions available in the API are described in this section. All functions require that Reptile is started and user is logged in, also the functions only work for "ordinary Reptile input", not for Control Input or Fast Input. The API has to be activated in Settings form of Reptile. Once it is activated it will automatically be started upon starting Reptile application.

3.1 setSerial

Sets serial number and opens correct form just as if serial number was scanned in Reptile application. If the function is successful True is returned and if failure False and the variable strErrMsg contain the reason for failure.

3.1.1 Parameters

Parameter	Optional	Data Type	Max Length
strSerial	No	string	20
strErrMsg	No	string	N/A

3.1.2 Return Value

Parameter	Data Type	Max Length
result	boolean	N/A

3.2 setSerialAndUser

Sets serial number and opens correct form just as if user name was entered and serial number was scanned in Reptile application. If the function is successful True is returned and if failure False and the variable strErrMsg contain the reason for failure.

3.2.1 Parameters

Parameter	Optional	Data Type	Max Length
strSerial	No	string	20
strUser	No	string	12
strErrMsg	No	string	N/A

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3.2.2 Return Value

Parameter	Data Type	Max Length
result	boolean	N/A

3.3 setSerialAndTimestamp

Sets serial number and waits for protocol with given start time to get into Quality database and opens correct form just as if serial number was scanned in Reptile application. The timestamp parameter shall contain the start time for the protocol to wait for. If the function is successful True is returned and if failure False and the variable strErrMsg contain the reason for failure.

3.3.1 Parameters

Parameter	Optional	Data Type	Max Length
strSerial	No	string	20
strTimestamp	No	string	19 (YYYY-MM-DD HH:MM:SS)
strErrMsg	No	string	N/A

3.3.2 Return Value

Parameter	Data Type	Max Length
result	boolean	N/A

3.4 setSerialUserAndTimestamp

Sets serial number and waits for protocol with given start time to get into Quality database and opens correct form just as if user name was entered and serial number was scanned in Reptile application. The timestamp parameter shall contain the start time for the protocol to wait for. If the function is successful True is returned and if failure False and the variable strErrMsg contain the reason for failure.

3.4.1 Parameters

Parameter	Optional	Data Type	Max Length
strSerial	No	string	20
strUser	No	string	12
strTimestamp	No	string	19 (YYYY-MM-DD HH:MM:SS)
strErrMsg	No	string	N/A

3.4.2 Return Value

Parameter	Data Type	Max Length
result	boolean	N/A

3.5 minimizeForm

Minimize current main form of Reptile to task bar.

3.5.1 Parameters

N/A

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3.5.2 Return Value

N/A