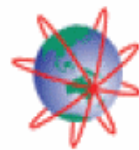


# AusCERT CA

## Certificate Services Manager

Reports Web Services API  
Version 1.0.1



**AusCERT**

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# 1 Introduction

Name : ReportService

Service EPR : http://csm-host/ws/ReportService

View WSDL : http://csm-host/ws/ReportService?wsdl

Service Description : The Service allows the Administrator to get Activity Log Report, Client Certificates Report, SSL Certificates Report, Discovery Scan Log Report, Discovery Scan Detail Report and the Latest Discovery Scan Log Report.

## 2 Remote Functions

### 2.1 Function for Getting Activity Report

**ActivityReportResponse** **getActivityReport(AuthData authData, Date from, Date to)** throws **InvalidAuthException**, **WSRuntimeException**

#### 2.1.1 Arguments

Variable Name	Type	Description
authData	AuthData	Authentication data for access. See section <a href="#">2.1.1.1 AuthData type</a> for more details.
from	Date	The Start date of Activity log
to	Date	The End date of Activity log

##### 2.1.1.1 AuthData type

Method Name	Description
SetLogin(String value)	Set login name for account within CSM. This is login of the Admin with role 'MRAO Admin' within CSM account.
SetPassword(String value)	Set password for account within CSM. This is login of the Admin with role 'MRAO Admin' within CSM account.
SetURI(String value)	URI for logging into account within CSM.

#### 2.1.2 Return value – ActivityReportResponse

**ActivityReportResponse** - Object that contains get Activity Log Report operation status, message and ReportRowActivity object array if succeed.

Method Name	Possible value(s)
int getStatusCode()	0 = SUCCESSFUL;
String getMessage()	<i>null</i>
ReportRowActivity[] getReports()	If status code = 0, then ReportRowActivity object array if succeed, empty array otherwise.

### 2.1.2.1 ReportRow Activity

Name	Type	Description
id	int	Log id
action	WSAction	See section <a href="#">2.1.2.2 WSAction</a>
admin	WSAdmin	See section <a href="#">2.1.2.3 WSAdmin</a>
person	WSPerson	See section <a href="#">2.1.2.4 WSPerson</a>
org	WSOrganization	See section <a href="#">2.1.2.5 WSOrganization</a>
smime	WSSMIME	See section <a href="#">2.1.2.6 WSSMIME</a>
ssl	WSSSL	See section <a href="#">2.1.2.7 WSSSL</a>
notif	WSNotification	See section <a href="#">2.1.2.8 WSNotification</a>
description	String	Description of action
accessMethod	String	Client access way
Address	String	Client IP address
date	Date	Log Creation date

### 2.1.2.2 WSAction

Name	Type	Description
id	int	Action ID number
actionName	String	Action Name

**2.1.2.3 WSAdmin**

Name	Type	Description
login	String	Admin login
fullName	String	Admin full name
email	String	Admin email

**2.1.2.4 WSPerson**

Name	Type	Description
name	String	Person name
email	String	Person email
guid	String	Object GUID for autoenrollment

**2.1.2.5 WSOrganization**

Name	Type	Description
name	String	Organization name
department	String	The department of this organization
domain	String	Domain name for this organization
address1	String	Organization's address1
address2	String	Organization's address2
address3	String	Organization's address3

**2.1.2.6 WSSMIME**

Name	Type	Description
person	WSPerson	See section <a href="#">2.1.2.4 WSPerson</a>
orderNumber	long	Order number (SASP)
ordered	Date	Ordered date
revoked	Date	Revocation date

collected	Date	Collection date
downloaded	Date	Downloaded date
expires	Date	Expiration date
state	SMIMEState	The status of SMIME
serialNumber	String	Certificate Serial number
subject	String	SMIME subject

### 2.1.2.7 WSSSL

Name	Type	Description
orderNumber	long	Order_number returned by AusCERT CA when applied with CA
commonName	String	SSL common name
sslType	String	Cert Type that this ssl belongs to
term	int	Certificate term (years)

### 2.1.2.8 WSNotification

Name	Type	Description
description	String	Notification description

### 2.1.3 Throws Exceptions

Name	Description
WSRuntimeException	code: -14 = An unknown error occurred!;
InvalidAuthException	code: -100 = The URI of customer is invalid; -101 = The client admin is invalid;

	-102 = You are not authorized to execute get report service;
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## 2.2 Function for Getting Client Certificates Report

**ClientCertReportResponse** **getClientCertReport(AuthData authData, Date from, Date to, String organizationNames, String certificateStatus, String certificateDate)** throws **InvalidAuthException**, **CheckParamException**, **WSRuntimeException**

### 2.2.1 Arguments

Variable Name	Type	Allowed Values	Description
authData	AuthData		Authentication data for access. See section <a href="#">2.2.1.1 AuthData type</a>
from	Date		The Start date of Activity log
to	Date		The End date of Activity log
organizationNames	String		organization names split by “,”
certificateStatus	String	0 = Any 1 = Requested 2 = Enrolled – Downloaded 3 = Revoked 4 = Expired 5 = Enrolled - Pending Download 6 = Not Enrolled	Current Status value
certificateDate	String	0 = Enrolled Date 1 = Downloaded Date 2 = Revoked Date 3 = Expire Date 4 = Requested Date 5 = Issued Date	Date Selection value



### 2.2.1.1 AuthData type

Method Name	Description
setLogin(String value)	Set login name for account within CSM. This is login of the Admin with role 'MRAO Admin', 'RAO SMIME Admin', or 'DRAO SMIME Admin' within CSM account.
setPassword(String value)	Set password for account within CSM. This is login of the Admin with role 'MRAO Admin', 'RAO SMIME Admin', or 'DRAO SMIME Admin' within CSM account.
setURI(String value)	URI for logging into account within CSM.

### 2.2.2 Return value – ClientCertReportResponse

**ClientCertReportResponse** - Object that contains get Client Certificates Report operation status, message and ReportRowClientCert object array if succeed.

Method Name	Possible value(s)
int getStatusCode()	0 = SUCCESSFUL;
String getMessage()	<i>null</i>
ReportRowClientCert[] getReports()	If status code = 0, then ReportRowClientCert object array if succeed, empty array otherwise.

### 2.2.2.1 ReportRowClientCert

Name	Type	Description
id	int	SMIME id
person	WSPerson	See section <a href="#">2.1.2.4 WSPerson</a>
organization	WSOrganization	See section <a href="#">2.1.2.5 WSOrganization</a>
subject	String	SMIME subject
email	String	Person email
orderNumber	long	Order number (SASP)
enrolled	Date	Collection date
downloaded	Date	Downloaded date

revoked	Date	Revocation date
expire	Date	Expiration date
enrollType	String	Enroll from WEB-UI(1), API Enroll(2), auto enroll from Microsoft Exchange(3)

### 2.2.3 Throws Exceptions

Name	Description
WSRuntimeException	code:  -14 = An unknown error occurred!;
InvalidAuthException	code:  -100 = The URI of customer is invalid;  -101 = The client admin is invalid;  -102 = You are not authorized to execute get report service;
CheckParamException	code:  -103 = The type of certificate status is invalid;  -104 = The date of certificate is invalid;

## 2.3 Function for Getting SSL Certificates Report

**SSLReportResponse getSSLReport(AuthData authData, Date from, Date to, String organizationNames, String certificateStatus, String certificateDate) throws InvalidAuthException, CheckParamException, WSRuntimeException**

### 2.3.1 Arguments

Variable Name	Type	Allowed Values	Description
authData	AuthData		Authentication data for access. See section <a href="#">2.3.1.1 AuthData type</a>
from	Date		The Start date of Activity log
to	Date		The End date of Activity log
organizationNames	String		organization names split by “,”

certificateStatus	String	0 = Any  1 = Requested  2 = Enrolled – Downloaded  3 = Revoked  4 = Expired  5 = Enrolled - Pending Download  6 = Not Enrolled	Current Status value
certificateDate	String	0 = Enrolled Date  1 = Downloaded Date  2 = Revoked Date  3 = Expiry Date  4 = Requested Date  5 = Issued Date	Date Selection value

### 2.3.1.1 AuthData type

Method Name	Description
setLogin(String value)	Set login name for account within CSM. This is login of the Admin with the role 'MRAO Admin', 'RAO SSL Admin' or 'DRAO SSL Admin' within CSM account.
setPassword(String value)	Set password for account within CCM. This is login of the Admin with the role 'MRAO Admin', 'RAO SSL Admin' or 'DRAO SSL Admin' within CSM account.
setURI(String value)	URI for logging into account within CSM.

### 2.3.2 Return value – SSLReportResponse

**SSLReportResponse** - Object that contains get SSL Certificates Report operation status, message and ReportRowSSL object array if succeed.

Method name	Possible value(s)
int getStatusCode()	0 = SUCCESSFUL;

String getMessage()	<i>null</i>
ReportRowSSL[] getReports()	If status code = 0, then ReportRowSSL object array if succeed, empty array otherwise.

### 2.3.2.1 ReportRowSSL

Name	Type	Description
id	int	SSL id
type	String	Cert Type that this ssl belongs to
commonName	String	SSLs common name
subject	String	Subject Alternative Names
status	String	Current state
requester	String	Person requester
approver	WSAdmin	See <a href="#">2.1.2.3 WSAdmin</a>
organization	WSOrganization	See <a href="#">2.1.2.5 WSOrganization</a>
orderNumber	long	Order_number returned by CA when applied with CA
servers	int	Servers count
serverType	String	Server type
term	int	Certificate term (years)
comments	String	Comment of this ssl
requested	Date	Requested date
approved	Date	Approved by client admin or super admin date
issued	Date	Collected from CA date
downloaded	Date	User downloaded date
expires	Date	Expiration date
revoked	Date	Revocation date if revoked
replaced	Date	Replaced date if replaced

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### 2.3.3 Throws Exceptions

Name	Description
WSRuntimeException	code:  -14 = An unknown error occurred!;
InvalidAuthException	code:  -100 = The URI of customer is invalid;  -101 = The client admin is invalid;  -102 = You are not authorized to execute get report service;
CheckParamException	code:  -103 = The type of certificate status is invalid;  -104 = The date of certificate is invalid;

## 2.4 Function for Getting Discovery Scan Log Report

**DiscoveryReportResponse getDiscoveryReport(AuthData authData, Date from, Date to, Integer cdAuditLogId, String agentIds) throws InvalidAuthException, CheckParamException, WSRuntimeException**

### 2.4.1 Arguments

Variable Name	Type	Description
authData	AuthData	Authentication data for access. See section <a href="#">2.3.1.1 AuthData type</a>
from	Date	The Start date of Activity log
to	Date	The End date of Activity log
cdAuditLogId	Integer	not use, should be 0
agentIds	String	CD Agent ids split by “,”

## 2.4.2 Return value – DiscoveryReportResponse

**DiscoveryReportResponse** - object that contains get Discovery Scan Log Report operation status, message and ReportRowDiscovery object array if succeed.

Method Name	Possible value(s)
int getStatusCode()	0 = SUCCESSFUL;
String getMessage()	<i>null</i>
ReportRowDiscovery[] getReports()	If status code = 0, then ReportRowDiscovery object array if succeed, empty array otherwise.

### 2.4.2.1 ReportRowDiscovery

Name	Type	Description
id	int	cd_log id
startDate	Date	Start date
endDate	Date	End date
ipsScanned	int	IPs scanned
sslsFound	int	SSLs found
newSslsFound	int	New SSLs found
csmCertsFound	int	CSM certificates found
newCsmCertsFound	int	New CSM certificates found
otherFound	int	Other found
newOtherFound	int	New other found
selfSignedFound	int	Self-signed found
newSelfSignedFound	int	New self-signed found
scanType	String	Scan Type
completionStatus	String	Completion Status
failReason	String	Fail Reason

requestedBy	String	Requested by
canceledBy	String	Canceled by
cancelReason	String	Cancel Reason
settings	String	Settings

### 2.4.3 Throws Exceptions

Name	Description
WSRuntimeException	code:  -14 = An unknown error occurred!;
InvalidAuthException	code:  -100 = The URI of customer is invalid;  -101 = The client admin is invalid;  -102 = You are not authorized to execute get report service;

## 2.5 Function for Getting Discovery Scan Detail Report

**DiscoveryDetailReportResponse getDiscoveryDetailReport(AuthData authData, Date from, Date to, Integer cdAuditLogId, String agentIds) throws InvalidAuthException, CheckParamException, WSRuntimeException**

### 2.5.1 Arguments

Variable Name	Type	Description
authData	AuthData	Authentication data for access. See section <a href="#">2.3.1.1 AuthData type</a> .
from	Date	The Start date of Activity log
to	Date	The End date of Activity log
cdAuditLogId	Integer	CD AuditLog Id which you want to get details
agentIds	String	CD Agent ids split by “,”

## 2.5.2 Return value – DiscoveryDetailReportResponse

**DiscoveryDetailReportResponse** - object that contains get Discovery Scan Detail Report operation status, message and ReportRowDiscoveryDetail object array if succeed.

Method Name	Possible value(s)
int getStatusCode()	0 = SUCCESSFUL;
String getMessage()	<i>null</i>
ReportRowDiscoveryDetail[] getReports()	If status code = 0, then ReportRowDiscoveryDetail object array if succeed, empty array otherwise.

### 2.5.2.1 ReportRowDiscoveryDetail

Name	Type	Description
foundTime	Date	Date and Time found
commonName	String	Common Name
vendor	String	Vendor
issuedBy	String	Issued By
ipAddress	String	IP Address:Port
term	int	Term (years)
expires	Date	Expires
serialNumber	String	Serial Number
cdAgent	String	CD Agent name

### 2.5.3 Throws Exceptions

Name	Description
WSRuntimeException	code:  -14 = An unknown error occurred!;
InvalidAuthException	code:  -100 = The URI of customer is invalid;



	-101 = The client admin is invalid;
	-102 = You are not authorized to execute get report service;

## 2.6 Function for Getting Latest Discovery Scan Log Report

**LastedCDLogResponse getLatestCDLog(AuthData authData, String agentNames) throws InvalidAuthException, WSRuntimeException**

### 2.6.1 Arguments

Variable Name	Type	Max. Length (chars)	Description
authData	AuthData		Authentication data for access. See section <a href="#">2.6.1.1 AuthData type</a>
agentNames	String		CD Agent Name

#### 2.6.1.1 AuthData type

Method Name	Description
setLogin(String value)	Set login name for account within CSM. This is the login of the Admin with role 'MRAO Admin, RAO SSL Admin' or 'DRAO SSL Admin' within CSM account.
setPassword(String value)	Set password for account within CSM. This is the login of the Admin with role 'MRAO Admin, RAO SSL Admin' or 'DRAO SSL Admin' within CSM account.
setURI(String value)	URI for logging into account within CSM.

### 2.6.2 Return value – LastedCDLogResponse

**LastedCDLogResponse** - Object that contains get Latest Discovery Scan Log Report operation status, message and ReportRowCDLog object array if succeed.

Method Name	Possible value(s)
int getStatusCode()	0 = SUCCESSFUL;
String getMessage()	<i>null</i>
ReportRowCDLog[] getReports()	If status code = 0, then ReportRowCDLog object array if succeed, empty array otherwise.

**2.6.2.1 ReportRowCDLog**

Name	Type	Description
id	int	cd_log id
requestor	WSAdmin	See section <a href="#">2.1.2.3 WSAdmin</a>
canceller	WSAdmin	See section <a href="#">2.1.2.3 WSAdmin</a>
cancelReason	String	Cancel reason
requestorSA	WSAdmin	See section <a href="#">2.1.2.3 WSAdmin</a>
cancellerSA	WSAdmin	See section <a href="#">2.1.2.3 WSAdmin</a>
created	Date	Create Date
settings	String	settings
cdAgents	WSCDAgent[]	See section <a href="#">2.6.2.2. ReportRowCDAgentLog</a>

**2.6.2.2 ReportRowCDAgentLog**

Name	Type	Description
id	int	CD Agent id
name	String	CD Agent name

**2.6.3 Throws Exceptions**

Name	Description
WSRuntimeException	code: -14 = An unknown error occurred!;
InvalidAuthException	code: -100 = The URI of customer is invalid;

**2.7 Utility Function for Getting Short Information about Web Service (name, version, etc.).  
String getWebServiceInfo()**