



# CHAPTER 13

## Report Management Functions

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This chapter provides information about the following report management functions:

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### generateReport

#### Synopsis

Status `generateReport(UserToken token, ReportSubject subject, DeviceFilter filter)` throws `RemoteException`;

#### Description

This function generates the specified report and stores the report data at the server. If prior report data exists, a call to this function overwrites the previous report. Only one copy of the report data is stored. This function may take a long time to perform. Only one report can be generated at a time.

#### Input Parameters

Parameter	Type	Value	Description
	UserToken, mandatory	—	A token that represents your authorization pass, which is obtained after you invoke the login function and are authenticated by the back-end server. Only an administrator can generate a report.
subject	ReportSubject, mandatory	One of the enumeration values defined in ReportSubject	Enumeration value that represents the subject of the report to be generated.
filter	DeviceFilter, optional	—	The input DeviceFilter object specifies the criteria for searching the defined devices. If the filter is set to null, no filtering is performed. For an audit trail, null should be entered.

**Return****Error and Exception**

When an error occurs, information about the error is contained in the returned status object. When a call fails because of a Remote Method Invocation (RMI)-related error, a `RemoteException` is thrown.

# readReport

**Synopsis**

```
ReportStatus readReport(UserToken token, ReportSubject subject, OutputFormat
output_format) throws RemoteException;
```

token	UserToken, mandatory	—	A token that represents your authorization pass, which is obtained after you invoke the login function and are authenticated by the back-end server.
subject	ReportSubject, mandatory	One of the enumeration values defined in ReportSubject	Enumeration value that represents the subject of the report to be generated.
output_format	OutputFormat, mandatory	HTML, text	Enumeration value that represents HTML or text format.

When an error occurs, this function returns `ReportStatus` which contains the none `ClmErrors.SUCCESS` error code. When the call fails because of a Remote Method Invocation (RMI)-related error, a `RemoteException` is thrown.