startAnalysis()
Description:
Start analysis which requires login authentication and further configurations
Precondition:
Connection to the SAP System must be available
Postcondition:
Analysis is started
Returns:
No returns
Exceptions:
Throws exception if there is another action running
Result:
Analysis is started an user can login
Type:
System - operation
References:
startAnalysis(), login(loginData), analyse(configuration, accessPattern, whitelist)
Comment:
-

getLoginData()
Description:
Analyses the situation with specified configurations
Precondition:
Analysis action is started and user authorized
Postcondition:
Situation is analysed
Returns:
Analysis
Exceptions:
None
Result:
Situation is analyzed
Type:
System - operation
References:
startAnalysis(), login(loginData), analyse(configuration, accessPattern, whitelist)
Comment:
Data isn´t prechecked in any way

Login(loginData)
Description:
After user entered his login data, this operation checks them. If successful, he is asked to configurate the analysis, otherwise he is informed that he isn't authorized.
Precondition:
User has entered his login Data, Analysis action is running

Postcondition:
Access granted or denied
Returns:
Boolean, which determinates if the access will be granted or denied
Exceptions:
Throws a DataForatException, if the input does not fit the right format of login Data
Result:
Access granted or denied
Type:
Systemoperation
References
startAnalysis(), login(loginData), analyse(configuration, accessPattern, whitelist)
Comment:
-

loginError(errorMessage)
Description:
Display an error message for a failed login attempt
Precondition:
User tried to login, but access was denied.
Postcondition
User is informed about the failed attempt, (option to try login again)
Returns:
Nothing
Exception:
None
Result:
User is informed about the failed attempt, (option to try login again)
Type:
System - operation
References:
Login()
Comment:
-

getAnalysisConfig(ConfigurationData)
Description:
Request the configurations for the analysis from the user
Precondition:
Analysis has already started
Postcondition:
Required configurations are returned
Returns:
Analysis configurations
Exceptions:
Invalid configurations
Results:
Analysis is not notified about the configurations
Type:

System - operation
References:
Analysis()
Comment:
-

Analyse(configuration, accesPattern, whitelist)
Description:
Analysis of the current status regarding the configurations, access pattern and the whitelist
Precondition:
getAnalysisConfig() was invoked and accessGranted was set
Postcondition:
Complete the analysis and save those data.
Returns:
Result of the analysis (Chart with critical conditions)
Exceptions:
Throws DataFormatException (if invalid values)
Result:
Results are returned to analysis
Type:
System - operation
References:
userFoundStatus()
Comment:
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UserFoundStatus()
Description:
Shows user the result of the analysis
Precondition:
Analysis is the completed without any problem
Postcondition:
User is informed about critical condition
Returns:
Nothing
Exception:
None
Results:
Informs the User
Type:
System - operation
References:
User
Comment:
Analysis is completed