

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: If there is another application already running -> Abort Result: Start analysis
Type: Analysis operation References: getLoginData()

getLoginData()
Description: Opens new dialogue Window, which requests a login from the user Precondition: getLoginData() is already running Postcondition: AccessFailed, or accessGranted was set, and the login Data from the user are returned
Returns: Login data Exceptions: Access failed Result: -
Type: Login-operation References: Login() Comment: Data isn't prechecked in any way

Login(loginData)
Description: Checks login Data Precondition: User has entered his login Data Postcondition: Access granted or denied
Returns: Boolean, which determinates if access will be granted or denied

Exceptions: Throws a DataForatException, if the input does not fit the right format of login Data Result: None except the parent are notified
Type: Login - operation References None 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: Login – 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: Analysis – 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 analystis (Chart with critical conditions) Exceptions: Throws DataFormatException (if invalid values) Result: Results are returned to analysis
Type: Analysis – operation References: userFoundStatus() Comment: -

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: Analysis – operation References: User Comment: Analysis is completed