**Run Analysis**

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| Button(new analysis) |
| Description:  User can press the button in SAP-Queries, and a new dialog window will be shown.  Now the user can enter Configurations and a SAP-Connection.  Precondition:  User is already logged in.  User has the role viewer.  User has already created Configurations with Access Patterns and a Whitelist.  User has already created a SAP-Connection.  Postcondition:  A new window will be shown.  User can now set or create a new configuration and SAP-Connection. |
| Returns:  Nothing  Exceptions:  None  Result:  A new window will be shown |
| Type:  System – Operation  References:  Login, loadAccessPattern, loadWhitelist  Comment:  - |

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| Add(configurations, SAP-System), Button(run analysis) |
| Description:  User can now choose between already existing Configurations and SAP-Connection or creates some new. By pushing the button run analysis opens a new window “SAP-Login”.  Precondition:  User is already logged in.  User has the role viewer.  User has already created Configurations with Access Patterns and a Whitelist.  User has already created SAP-Connection.  User has already pushed button (new analysis).  Postcondition:  A new configuration with whitelist and access patterns is set.  A new SAP-Connection is set.  SAP-Connection does work.  A new window “SAP-Login” will be shown where the user can enter his SAP – login data. |
| Returns:  Nothing  Exceptions:  Throws an exception if there is no internet connection, or the chosen data is not valid.  Result:  Opens a new window, where the user can enter his SAP-login data. |
| Type:  System – Operation  References:  Login, loadAccessPattern, loadWhitelist, Button (New analysis).  Comment:  - |

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| Enter(SAP-Login(Username, password)), Button (Login) |
| Description:  User enters his SAP-login data (Username and password). SAP – Connection will established.  The final results will be displayed.  Precondition:  User is already logged in.  User has the role viewer.  User has already created Configurations with Access Patterns and a Whitelist.  User has already created SAP-Connection.  User has already pushed button (new analysis).  User has set new Configuration and SAP-Connection.  Postcondition:  User sees a loading animation until the SAP-Connections is established.  User is connected with SAP-System.  User can now see the results.  User can now export results. |
| Returns:  Violations.  Exceptions:  Throws exception if the SAP-Connection could not be established.  Result:  Opens new window, where the user can see the Number of violations. The violated UseCasesIds, a description and the username. He also can export the results. Or can get a detailed overview of the violations. |
| Type:  System – Operation  References:  Login, loadAccessPattern, loadWhitelist, Button (New analysis), Add(configurations, SAP-System), Button(run analysis)  Comment:  - |