The objective of this document is to assist the user in creating a Security Optimization Self Service on Solution Manager using the step-by-step instructions that are outlined below.

The document is will answer the following three questions:

**Question 1:** what is the Security Optimization Self Service and how can it benefit my organization?

**Question 2:** What are the prerequisites for enabling a successful Security Optimization Self Service?

**Question 3:** What are the steps required to complete the procedure? Navigate into Change Mode and click on ‘Change Authorization Data’ and ensure all the lights below are green.

**What is the Security Optimization Self Service?**

The SAP Security Optimization Service is used to identify and provide recommendations to resolve potential security issues on a SAP ABAP system.

This service is currently not available for a J2EE system.

More information on this service can be found at http://service.sap.com/sos

**What are the prerequisites for enabling a successful Security Optimization Self Service?**

**On Solution Manager:**

ST release must be on at least SP18. No exceptions.

ST-SER must be either 701_2008_2 with the latest patch level

Or
ST-SER 701_2010_1 with the Service Content Updated (Tcode AGS_UPDATE with all the lights green) or using the Solman_Workcenter -> SAP Engagement and Service Delivery -> Services -> Service -> Content Update Update Configuration.

ST-A/PI - Recommended to be on at least 01M* with SP01

EWA report - Recent successful EarlyWatch Alerts report must be on the Solution Manager for the relevant managed system.

UserID must have the correct authorizations:

ST-PI 2008_1 Support Package 04 delivers a corresponding role SAP_SECURITY_OPTIMIZATION that can be assigned to the user.

This role is also available in SAP Note 696478 as an attachment. You can use PFCG to import, define the values and then assign users to the role Z_SECURITY_OPTIMIZATION role from the note.

**Prerequisites for the managed system:**

ST-A/PI -> Recommended ST-A/PI 01M* with at least SP01.

ST-PI: Minimum recommended version of 2008_1_* with at least SP01.

UserID must have the correct the authorizations:

ST-PI 2008_1 Support Package 04 delivers a corresponding role SAP_SECURITY_OPTIMIZATION that can be assigned.

This role is also available in SAP Note 696478 as an attachment. You can use PFCG to import, define the values and then assign users to the role Z_SECURITY_OPTIMIZATION role from the note.
What are the steps required to run the Security Optimization Self Service?

Assign the relevant role to the user. In the example below, the role was uploaded and generated as per note 696478.

ST-PI 2008_1 Support Package 04 delivers a role SAP_SECURITY_OPTIMIZATION that can be assigned.

Ensure that all the lights are green and the objects generated.
Both Authorizations and User must have green lights.
1. Start tcode solman_workcenter

2. SAP Engagement and Service Delivery
3. Click on ‘Create’ -> Select the relevant solution

4. Expand SAP System Security Optimization - Select the relevant system – Click ‘Create’

5. Navigate to the relevant managed system and sign on with a valid user with the correct authorization role such as Z_SECURITY_OPTIMIZATION.

6. Start tcode ST14 - Select Security Optimization
7. Click on Schedule Job -> Enter the relevant information as outlined below.
8. Ensure the Job Start is set to Immed. start and Analysis scope is selected. Click on ‘Schedule job’

9. Click on ‘Schedule job’ and a message will be shown 'An analysis job was created in background'
10. To monitor the job – Select the menu System -> Own Jobs and wait until the job has finished.

   Note: If the job takes < 10 seconds to complete then please verify that the user has the correct role as outlined earlier.

11. To ensure that the data was collected successfully. Navigate to ST13 -> Input AnalysisBrowser.
12. Highlight the Security Optimization and click on ‘View data’

13. Open ABS – GENERIC_KF and ensure data is showing.

14. On the satellite system start tcode SDCCN -> Click on Task – Create – Refresh Sessions -> Select the BACK RFC to Solution Manager and scheduling for Now.
16. After the job has completed. Navigate to ST13 -> AnalysisBrowser -> Highlight the session

17. Next, select Solution Manager as the Remote system and then click on Send and Send again.

18. Ensure that all the lights are green for the message log.

19. Navigate back to the Solution Manager system – run Solman_workcenter -> Select and open the session.

20. Otherwise, go ahead and open the session.
21. Next click on ‘Collect Data (ST13, ST14) into Session’ and then click on Analysis Browser

22. Select the Session and copy the GUID
23. Paste the GUID and click on next open check

24. Next click on ST14 Download and then next open check
25. The data should now download to the session. Clicking on the Word icon will generate the report.

Please note creating a SOS Questionnaire Session is optional that can be done through the Solution Manager Work Center -> SAP Engagement and Service Delivery.