DevSecOps Tableau Dashboard–Requirements

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**DevSecOps Core team**

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**Change Log**

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| 2 | Version 1.1 | Updated the average maturity logic | 10/9/2023 | Section 4.3 |
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# ABOUT & purpose

DevSecOps Tableau Dashboard offers visualization of DevSecOps data, which include DevSecOps assessment progress, Maturity Level wise display, Average Maturity, application wise assessment details etc. in a single view. Concerned organizations at present will be Engineering Systems and Product Support Systems. DSO Dashboard receives data from the linked database called Infocenter.

Purpose of this document is to describe the DevSecOps Dashboard requirements consists of user experience, validations, changes tracking etc. so that Tableau team can implement the Dashboard incorporating the expectations.

# PRE-REQUISITE

Infocenter is the primary source of database for DSO Tableau Dashboard. Assume that Infocenter has the latest DevSecOps data, which is a daily feed from GSEP. In GSEP, DevSecOps data is being filled-in by the application teams who undergo DSO assessments. Infocenter also stores application related data coming from other systems such as ESATS and FSAT.

# SCREENS FROM WHERE THIS MODULE/SCREEN CAN BE INVOKED

Production URL:  <https://eaas-tableau-production.web.boeing.com/#/site/BIETC/views/DSOAssessment_16947006906810/DSOAssessmentDashboard01?:iid=1>

Non-Production URL: <https://eaas-tableau-production.web.boeing.com/#/site/BIETC/views/DSOAssessment/DSOAssessmentDashboard01?:iid=1>

# UI DETAILS & validations

## Top Banner

### Display

### Top banner should be displayed at the top of the page, with appropriate width and thickness according to the page size. Background color should be Black and font color in White.

### Contents

Boeing logo to be displayed in the left, Title as “DevSecOps Dashboard” in the center and Last Displayed date/time, OKR image link and GSEP links to be placed at the right side of the top banner. OKR image link to be provided with a tool tip – “OKR & Target”

While clicking on “OKR & Target” link, an image/slide of 2023 ORK & Target to be displayed in the next tab of the browser.

Clicking on GSEP link, GSEP DevSecOps page should be opened in the next tab of the same browser window.

## Top Filters

Top filters to be displayed below the Top Banner with a convenient space in between, without overlapping.

User should be able to filter the results/display using the below filter drop downs.

1. Maintaining Org – Only 2 list items: “Engineering Systems” and “Product Support Systems”
2. Product Division – Only 1 list item – “Engineering and Product Support”
3. Product Family – Should display all the product families of “Engineering Systems” and/or “Product Support Systems” as per Product Taxonomy based on the selection in the previous filters.
4. Product Name – Should display all the Product Names under the selected Product Family(families) as per Product Taxonomy definition.
5. Product Manager - Should display all the Product Manager names of the selected Products
6. Director - Should display the names of below 4 directors of ES & PSS orgs.
7. Jeffrey Stein
8. Buba Turner
9. Jennifer Davis
10. Tatum Shannon
11. Senior Manager - Should display the applicable Development Managers based on previous selections
12. Development Manager – Should display the applicable Development Managers based on previous selections
13. Application Owner - Should display the Application Owners based on previous selections
14. Application Name - Should display all the application names based on previous selections
15. DSO Year – It should display the options: 2022 and 2023 for now.

Release-2 : Add blanks

## Overall/Average maturity level

Average maturity level will be the average of the maturity scores of all the assessments completed so far, and converted in to a level value which will be a single decimal value between 1.0 and 5.0. Average maturity level to be displayed for assessments and re-assessments separately. The logic used for calculation is as below, also examples are given per level in the table.

Consider only DSO\_STATUS = COMPLETE apps

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Maturity Level** | **Stage** | **Scores** | **Formula** | **Example: App Maturity Score -D value** | **Example: Average Score** |
| Level 1 (Sit) | Initial | <=20% | 1+(D-1)/20 | 10 | 1.45 |
| Level 2 (Crawl) | Emerging | <=50% | 2+(D-21)/30 | 30 | 2.30 |
| Level 3 (Walk) | Practicing | <=70% | 3+(D-51)/20 | 60 | 3.45 |
| Level 4 (Run) | Optimizing | <=90% | 4+(D-71)/20 | 80 | 4.45 |
| Level 5 (Fly) | Leading | >90% | 5 | 95 | 5.00 |
| **Average Maturity** | | | | | **3.33** |

where D is overall score for each assessment, then calculate average of precise value/no of assessments.

**Note**: While calculating the average maturity for assessments which have undergone reassessments, the latest assessment record per application to be considered.

## Overall status display boxes

### DSO Assessment

**Total** – Number of the applications in scope for assessment. This will be the sum of In Progress and Completed assessments. Consider the selections of the filters including Maintaining Org, Director etc. Also, DSO\_APPLICABLE column value should Yes for the records when pulling the data from Infocenter.

**Completed** - Number of the applications completed with the assessment (irrespective of Roadmap status). Consider the selections of the filters including Maintaining Org, Director etc. Also, DSO\_APPLICABLE column value should Yes for the records when pulling the data from Infocenter. DSO\_STATUS value should be ‘Completed’.

**In-Progress** - Number of the applications which are in progress for the assessment. Consider the selections of the filters including Maintaining Org, Director etc. Also, DSO\_APPLICABLE column value should Yes for the records when pulling the data from Infocenter. DSO\_STATUS value should be ‘In Progress’.

**[Release-2 Not Started:** Number of the applications for which DSO not started. Year will be **blank** for them and DSO\_APPLICABLE will be **Blank**

### Maturity Roadmap

**Total** – Number of the applications in scope for Roadmap. This will be the sum of In Progress and Completed Roadmap applications. Consider the selections of the filters including Maintaining Org, Director etc. Also, DSO\_APPLICABLE column value should Yes for the records when pulling the data from Infocenter. Note that DSO\_STATUS value should be ‘Completed’ for Roadmap to be applicable.

**Completed** - Number of the applications with the Roadmap Complete status. Consider the selections of the filters including Maintaining Org, Director etc. and also DSO\_APPLICABLE column value should Yes when pulling the data from Infocenter. Also, DSO\_STATUS value should be ‘Completed’, and DSO\_IMP\_PLAN\_STATUS should be Completed.

**In-Progress** - Number of the applications which are in progress for Roadmap creation. Consider the selections of the filters including Maintaining Org, Director etc. and also DSO\_APPLICABLE column value should Yes when pulling the data from Infocenter. Also, DSO\_STATUS value should be ‘Completed’, and DSO\_IMP\_PLAN\_STATUS should be In Progress.

### Re-assessment

**Total** – Number of the applications in scope for re-assessment. This will be the sum of In Progress and Completed re-assessments. Consider the selections of the filters including Maintaining Org, Director etc. Also, DSO\_APPLICABLE column value should Yes for the records when pulling the data from Infocenter. For re-assessment records, there should be ‘Copied From’ field value for the record which is not null.

**Completed** - Number of the applications completed with the re-assessment (irrespective of Roadmap status). Consider the selections of the filters including Maintaining Org, Director etc. Also, DSO\_APPLICABLE column value should Yes for the records when pulling the data from Infocenter. DSO\_STATUS value should be ‘Completed’. For re-assessment records, there should be ‘Copied From’ field value for the record which is not null.

**In-Progress** - Number of the applications which are in progress for the assessment. Consider the selections of the filters including Maintaining Org, Director etc. Also, DSO\_APPLICABLE column value should Yes for the records when pulling the data from Infocenter. DSO\_STATUS value should be ‘In Progress’. For re-assessment records, there should be ‘Copied From’ field value for the record which is not null.

**Roadmap Completed** - Number of the applications with the Roadmap Complete status for re-assessment. Consider the selections of the filters including Maintaining Org, Director etc. and also DSO\_APPLICABLE column value should Yes when pulling the data from Infocenter. Also, DSO\_STATUS value should be ‘Completed’, and DSO\_IMP\_PLAN\_STATUS should be Completed. For re-assessment records, there should be ‘Copied From’ field value for the record which is not null.

**Roadmap In-Progress** - Number of the applications which are in progress for the re-assessment roadmap. Consider the selections of the filters including Maintaining Org, Director etc. and also DSO\_APPLICABLE column value should Yes when pulling the data from Infocenter. Also, DSO\_STATUS value should be ‘Completed’, and DSO\_IMP\_PLAN\_STATUS should be In Progress. For re-assessment records, there should be ‘Copied From’ field value for the record which is not null.

## interactive charts for status

### DSO Assessment

This will be a pie-chart with Completed and In-Progress sectors in it. Clicking on each sector should display assessment details of applications in respective status in the below Application Details section.

**Completed** - Number and percentage of the applications completed with the assessment (irrespective of Roadmap status) to be displayed. Consider the selections of the filters including Maintaining Org, Director etc. Also, DSO\_APPLICABLE column value should Yes for the records when pulling the data from Infocenter. DSO\_STATUS value should be ‘Completed’.

**In-Progress** - Number of the applications which are in progress for the assessment. Consider the selections of the filters including Maintaining Org, Director etc. Also, DSO\_APPLICABLE column value should Yes for the records when pulling the data from Infocenter. DSO\_STATUS value should be ‘In Progress’.

**[Release-2 Not Started:** Number of the applications for which DSO not started. Year will be **blank** for them and DSO\_APPLICABLE will be **Blank**

**Total** – Total number of re-assessments completed should be displayed at the center portion of the pie-chart. This will be sum of Completed and In Progress applications.

### DSO Re-Assessment

This will be a pie-chart with Completed and In-Progress sectors in it. Clicking on each sector should display re-assessment details of applications in respective status in the below Application Details section.

**Completed** - Number and percentage of the applications completed with the re-assessment (irrespective of Roadmap status) to be displayed. Consider the selections of the filters including Maintaining Org, Director etc. Also, DSO\_APPLICABLE column value should Yes for the records when pulling the data from Infocenter. DSO\_STATUS value should be ‘Completed’.

**In-Progress** - Number of the applications which are in progress for the re-assessment. Consider the selections of the filters including Maintaining Org, Director etc. Also, DSO\_APPLICABLE column value should Yes for the records when pulling the data from Infocenter. DSO\_STATUS value should be ‘In Progress’.

**Total** – Total number of re-assessments completed should be displayed at the center portion of the pie-chart. This will be sum of Completed and In Progress applications.

### DSO Quarter wise progress

This bar chart will display the quarter wise progress of DevSecOps assessment from 2022 till now based on year selection and filters applied. This should display Completed apps counts as bars. Clicking on each quarter would display the application details in the below section.

### DSO Quarter wise progress Cumulative

This bar chart will display the cumulative quarter wise progress of DevSecOps assessment from 2022 till now based on year selection and filters applied. This should display Completed apps counts as bars. Clicking on each quarter would display the application details in the below section.

### DSO Maturity Level

The pie-chart should display the assessments with DSO level segregation. Levels can be from Level 1 to Level 5. Both numbers and percentage need to be displayed. Clicking on each level should display the applications in the below Application Details section.

Note: Levels are applicable only for completed apps.

## application details

The section should display application details, this should be changes based on the chart sector selection at the interactive chart sections.

A title namely “Application Details” and below columns to be displayed in this section:

1. Sl. No.
2. ESATS Id
3. Application Name
4. Maintaining Org.
5. Product Portfolio
6. Product Family
7. Product Mgr.
8. Senior Mgr.
9. Development Mgr.
10. Application Owner
11. DSO Status
12. DSO Maturity Level
13. DSO Maturity Score
14. DSO Implementation Progress
15. GSEP URL

Column titles to be displayed in Bold font and values in normal font. GSEP URL should be displayed as underlined and linked to the corresponding GSEP assessment page of the application.

## export to excel

A provision to be given to export the above Application Details to an excel file. This can be a button or link near to the Application Details title/section. Text: “Export to Excel”

# SECURITY RELATED RESTRICTIONS

N/A

# References

Infocenter link: <https://icng.apps.boeing.com/Application/UserView?appId=7358467739>

GSEP link: <https://boeing.service-now.com/navpage.do>

ESATS link: <https://esats.web.boeing.com/dashboard/dashboard>

# ACRONYMs

DSO – Widely used as a short form of DevSecOps

GSEP – Global Service Engagement Platform Portal

ESATS – Enterprise Systems Architecture Tool Suite

FSAT – Future State Architecture Tool

# QUestions/discussion points:

|  | Section | Description | Addressed To | Comments | Status (Open/Closed) |
| --- | --- | --- | --- | --- | --- |
| 1 | Qtr. wise charts | Should the charter wise charts display in-progress as well? Currently it displays only Completed status apps. | Abhishek/Ken | Yes, we need to add in-progress also. |  |
| 2 | Average Maturity | Should the average maturity levels to be displayed for assessments and reassessments separately or a single value taking only the latest assessment for an application? | Abhishek/Ken | We need to show DSO maturity based on-   1. Filters applies 2. Take latest maturity for application |  |
| 3 | DSO STATUS | I think the Not Started apps count display is not required. Please confirm? | Abhishek/Ken | It was to show what DevSecOps assessment in scope for the selected year but not started. We can remove it , if we are not showing it correctly. |  |
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