

# Security Dashboard - Action Plan

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**i** Summary: This page provides instructions for managing **Actions** (in the **Action Plan**) in the **Security Dashboard**.

## Introduction

The **Security Dashboard** features the ability:

- to add and remove objects (violations) to and from an **"Action Plan"** - an Action Plan is simply a list of objects (i.e. "violations") that have been **selected for action in the next snapshot generation process with a priority level assigned to them**. Users can then use the list to focus their re-remediation work. Think of it as a "to do list" - i.e. objects that require work to remove the violation flagged by CAST AIP.
- to **Exclude** objects from a future snapshot - this can be useful when the object is violating an AIP Rule, but is irrelevant or is a false positive.
- to add and remove Rules to and from an **"Education"** list to promote best practices.
- to view detailed information about rules that have been added to the Education list in the **Continuous Improvement** feature.


The **Security Dashboard** features the ability to add and remove objects (violations) to and from an **"Action Plan"** - an Action Plan is simply a list of objects (i.e. "violations") that have been **selected for action in the next snapshot generation process with a priority level assigned to them**. Users can then use the list to focus their re-remediation work. Think of it as a "to do list" - i.e. objects that require work to remove the violation flagged by CAST AIP.

<input type="checkbox"/>	PRIORITY	STATUS	COMMENT
<input type="checkbox"/>	Extreme	added	Requires immediate attention
<input type="checkbox"/>	Moderate	🕒	test
<input type="checkbox"/>	Moderate	🕒	test
<input type="checkbox"/>	Moderate	🕒	test

**i** Note that **Actions** are available when viewing data from a **previous snapshot**, however, the ability to edit Actions is only available from the **most recent snapshot**.

## Permissions required to interact with the Action Plan

Feature	Permission required
To edit <b>Actions</b> - i.e. add/remove objects/violations to/from the <b>Action Plan</b> .	Your user login must have the <b>QUALITY_MANAGER</b> role.

 Notes:

- **Roles** can be assigned at user level (when using Default Authentication mode) or via user or group (when using Standard LDAP/SAML authentication). Please see [User authentication](#) for more information.
- You can view the Action Plan in **read-only** mode if your user login has not been assigned the required role.

## Accessing the feature

To access the feature, there are two methods:

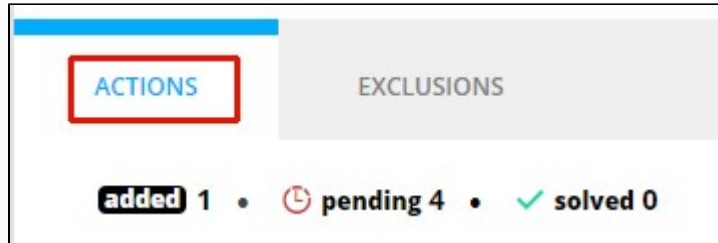
From the "**home**" or **landing page**, click the default **Action Plan** tile.



From the [Side Menu bar](#), click the following icon:



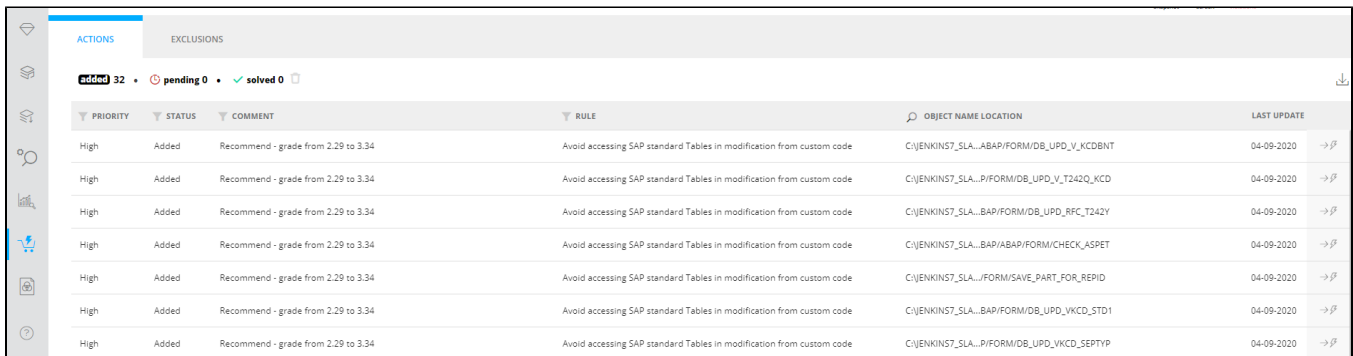
 The focus will be set to the **Actions** tab when using this icon:



## Action Plan

The image below shows a list of violations that have been added to the Action Plan:

*Click to enlarge:*




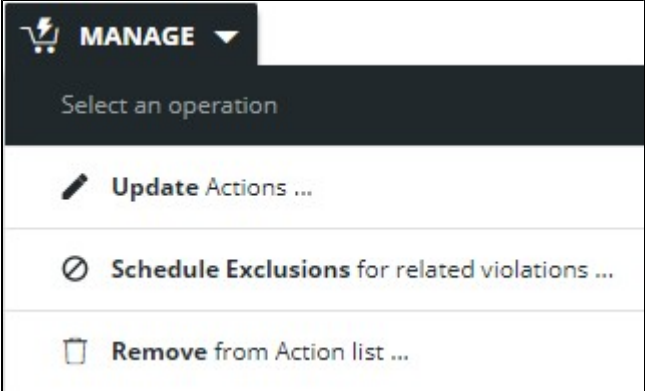



The screenshot shows the Action Plan interface with the following data:

PRIORITY	STATUS	COMMENT	RULE	OBJECT NAME LOCATION	LAST UPDATE	
High	Added	Recommend - grade from 2.29 to 3.34	Avoid accessing SAP standard Tables in modification from custom code	C\JENKINS7_SLA...ABAP\FORM\DB_UPD_V_KCDBNT	04-09-2020	→
High	Added	Recommend - grade from 2.29 to 3.34	Avoid accessing SAP standard Tables in modification from custom code	C\JENKINS7_SLA...PI\FORM\DB_UPD_V_T242Q_KCD	04-09-2020	→
High	Added	Recommend - grade from 2.29 to 3.34	Avoid accessing SAP standard Tables in modification from custom code	C\JENKINS7_SLA...BAP\FORM\DB_UPD_RFC_T242Y	04-09-2020	→
High	Added	Recommend - grade from 2.29 to 3.34	Avoid accessing SAP standard Tables in modification from custom code	C\JENKINS7_SLA...BAP\FORM\CHECK_ASPET	04-09-2020	→
High	Added	Recommend - grade from 2.29 to 3.34	Avoid accessing SAP standard Tables in modification from custom code	C\JENKINS7_SLA...PI\FORM/SAVE_PART_FOR_REPID	04-09-2020	→
High	Added	Recommend - grade from 2.29 to 3.34	Avoid accessing SAP standard Tables in modification from custom code	C\JENKINS7_SLA...BAP\FORM\DB_UPD_VKCD_STD1	04-09-2020	→
High	Added	Recommend - grade from 2.29 to 3.34	Avoid accessing SAP standard Tables in modification from custom code	C\JENKINS7_SLA...PI\FORM\DB_UPD_VKCD_SEPTYF	04-09-2020	→

Column key

The following columns are available:

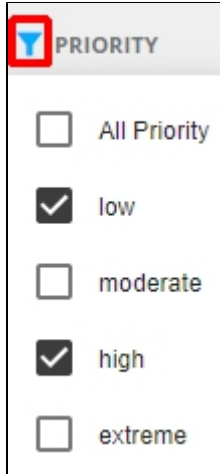
	<b>Added:</b> Total number of objects (violations) in the Action Plan that have been added to the list since the last snapshot was generated - their status will be checked during the next snapshot generation.
	<b>Pending:</b> Total number of objects (violations) in the Action Plan that are STILL violating a rule since the last snapshot was generated - i.e. the problem has not been fixed
	<b>Solved:</b> Total number of objects (violations) in the Action Plan that have been corrected and are no longer violating the rule since the last snapshot was generated - i.e. the object has been remediated.
<input type="checkbox"/>	<p>This check box allows you to manage the object (violation). A <b>Manage</b> button will appear when an object is ticked:</p> <div data-bbox="347 552 987 940" style="border: 1px solid black; padding: 5px;"><p>The image shows a 'MANAGE' dropdown menu with a trash icon. The menu is open, showing three options: 'Update Actions ...', 'Schedule Exclusions for related violations ...', and 'Remove from Action list ...'. The 'MANAGE' header has a dropdown arrow.</p></div> <p>This button allows you to:</p> <ul style="list-style-type: none"><li>• <b>Update</b> the <b>Comment</b> and <b>Priority</b> given to an object (violation) when it was added to the Action Plan</li><li>• <b>Add</b> the related violations to the <b>Scheduled Exclusion list</b></li><li>• <b>Remove</b> the object (violation) from the Action Plan if the issue has been resolved or you no longer need to remediate the issue</li></ul> <div data-bbox="347 1134 1484 1312" style="border: 1px solid gray; padding: 5px;"><p> Note that:</p><ul style="list-style-type: none"><li>• the check box is only visible if your login has the <b>QUALITY_MANAGER</b> role</li><li>• the <b>Schedule Exclusions for related violations</b> option requires the <b>EXCLUSION_MANAGER</b> role - without this role the option will not be available.</li></ul></div>
<input checked="" type="checkbox"/>	Select all option will select only the available rows in the current page.

**Priority**


Displays the priority given to the object (violation) when it was added to the action plan, ranging from:

- Low
- Moderate
- High
- Extreme

Data can be **filtered** on this status, with the addition of **All Tags - i.e. all priorities**:



The **Priority** set on each violation when it was added to the Action Plan can be **modified** using the **check box** and **Manage > Update Actions** button.

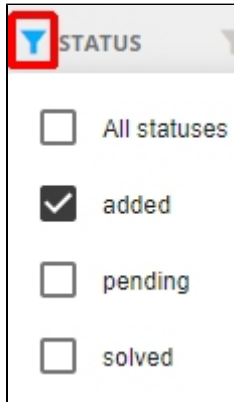
 Note that it is possible to modify the name of this column. See [CAST Dashboard Package - Engineering Dashboard json configuration options](#) using the **tagType** parameter.

**Status**

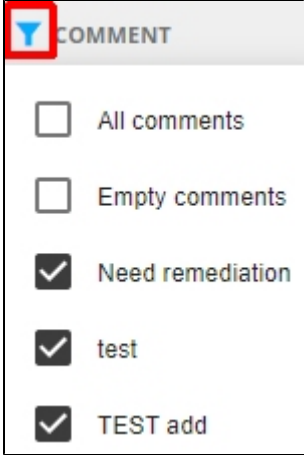
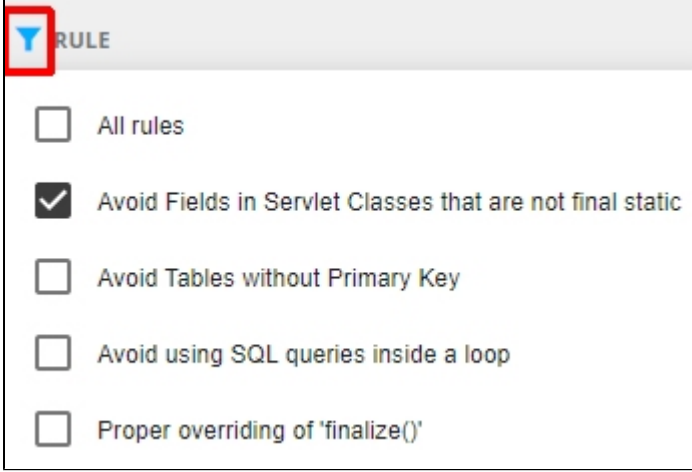



Displays the status of the object (violation) in the Action Plan (see the sections in the rows above which explain these statuses in full):

- Added
- Pending
- Solved

Data can be **filtered** on this status, with the addition of **All Statuses**:



See the sections in the rows above which explain these statuses in full.

<p><b>Comment</b></p>	<p>Displays the free text comment assigned to the object (violation) when it was added to the Action Plan. This comment can be modified using the <b>check box</b> and <b>Manage &gt; Update Actions</b> button. Data can be filtered on the comment, with the addition of <b>All Comments</b> and <b>Empty Comments</b>:</p> <div data-bbox="345 233 646 684" style="border: 1px solid black; padding: 5px;">  <p>COMMENT</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> All comments</li> <li><input type="checkbox"/> Empty comments</li> <li><input checked="" type="checkbox"/> Need remediation</li> <li><input checked="" type="checkbox"/> test</li> <li><input checked="" type="checkbox"/> TEST add</li> </ul> </div>
<p><b>Rule</b></p>	<p>The name of the Quality Rule for which the object (violation) has been added to the Action Plan (objects (violations) can appear multiple times in the Action Plan). Data can be filtered on the rule name, with the addition of <b>All Rules</b>:</p> <div data-bbox="345 783 1032 1251" style="border: 1px solid black; padding: 5px;">  <p>RULE</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> All rules</li> <li><input checked="" type="checkbox"/> Avoid Fields in Servlet Classes that are not final static</li> <li><input type="checkbox"/> Avoid Tables without Primary Key</li> <li><input type="checkbox"/> Avoid using SQL queries inside a loop</li> <li><input type="checkbox"/> Proper overriding of 'finalize()'</li> </ul> </div>
<p><b>Object Name Location</b></p>	<p>The name of the Object (violation) that has been added to the Action Plan for remediation can be searched using this option.</p> <div data-bbox="345 1325 717 1394" style="border: 1px solid gray; padding: 5px;">  OBJECT NAME LOCATION         </div>
<p><b>Last Update</b></p>	<p>The date the object (violation) was last updated - i.e. any of the following:</p> <ul style="list-style-type: none"> <li>• added to the Action Plan</li> <li>• comment edited</li> <li>• priority/tag edited</li> </ul>
<div data-bbox="139 1581 217 1656" style="border: 1px solid gray; padding: 5px; text-align: center;">  </div>	<p>This icon, when clicked, will take you direct to the <a href="#">Source Code page</a> for the object (violation) in question.</p>
<div data-bbox="139 1686 240 1749" style="border: 1px solid gray; padding: 5px; text-align: center;">  </div>	<p>Use this option to export the contents of the Action Plan to an Excel file. See <a href="#">Exporting data to Microsoft Excel file format</a> for more information.</p>



Note that all columns are sortable (in ascending/descending alphabetical/numerical order) by clicking the column header.

## Adding violations (objects) to the Action Plan

Drill down to **Violations** level in any of the the **Quality**, **Application** or **Transaction Investigation** views. A checkbox will be visible in each object description row (highlighted in the image below in red) - if you do not see this checkbox, then your login does not have the correct role:

OBJECT NAME LOCATION	RISK	STATUS
com.castsoftware.bookdemo.javabeen.SaleManager.InsertNewSale	n/a	Added
com.castsoftware.bookdemo.servlet.NewSale.InsertNewSale	n/a	Added
com.castsoftware.dbconnection.OracleConnection.connect	n/a	Added
com.castsoftware.dbconnection.OracleConnection.execSQL	n/a	Added

Place a check mark in the checkbox alongside the object that you want to add to the Action Plan - the **Add** button will then become visible as shown below:

**ADD** ▾ **Violations**

OBJECT NAME LOCATION
com.castsoftware.bookdemo.javabeen.SaleM
com.castsoftware.bookdemo.servlet.NewSal
com.castsoftware.dbconnection.OracleConn

Now click the **Add** button and select the **Add the violations to the Action Plan** option:

**ADD** ▾

Select an operation

- Add the violations to action plan ...**
- Schedule Exclusion of the violations ...
- Educate on the related rule ...

Now enter a **comment** (not mandatory) to annotate the violations (this comment will appear in the Action Plan) and choose a **priority** (Extreme, High, Moderate, Low) - mandatory - from the drop down list. Click **Add** to add the violations to the Action Plan:

# Add violations to action plan

Please, fill information below to  
Add the selected violations to action plan

Comment

Requires immediate remediation

Extreme

CANCEL

ADD



Note that it is possible to modify the names used for the priorities and the placeholder text used in this dialog box. See [CAST Dashboard Package - Engineering Dashboard json configuration options](#) about using the **tag** parameters.

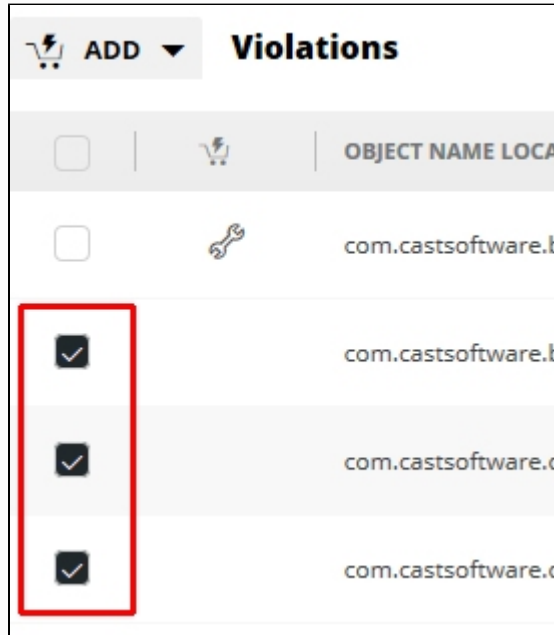
The violations will then be added to the Action Plan, In this example, we have selected the **Extreme** priority entered a **comment**:

ACTIONS		EXCLUSIONS				
<input type="checkbox"/>	PRIORITY	<input type="checkbox"/>	COMMENT	RULE	OBJECT NAME LOCATION	LAST UPDATE
<input type="checkbox"/>	Extreme	added	Requires immediate attention in the next sprint.	Avoid empty catch blocks	com.castsoftware.util.io.Recorder.Add	03-08-2019

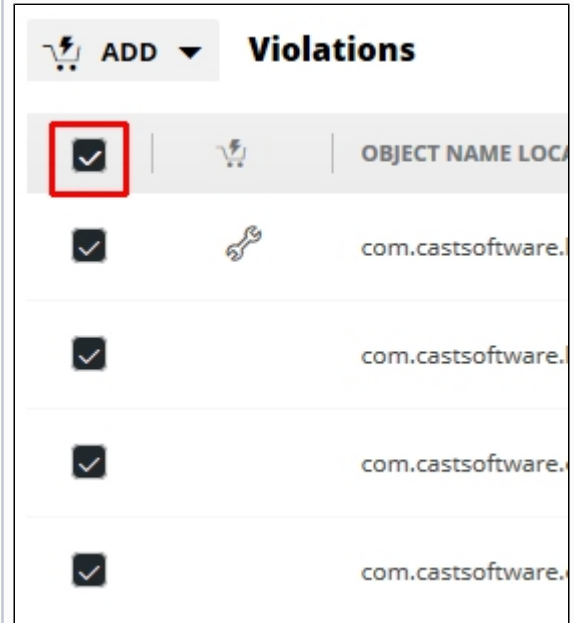


**i** You can add multiple objects to the Action Plan in **one go** in two ways:

Select the violations you require - the SHIFT key will function if you need to select a range of violations



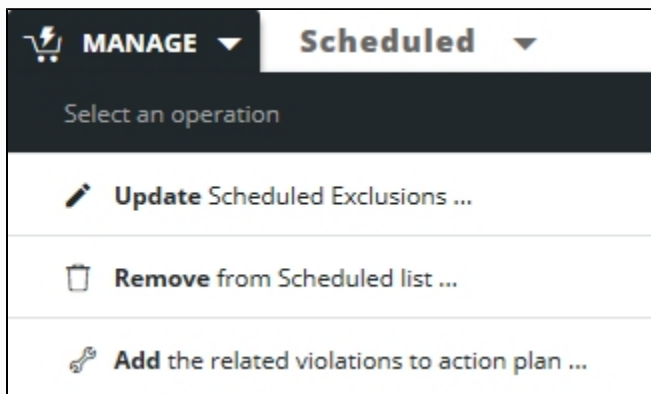
Use the heading row check box to select all the violations to the selected Quality Rule:



If there are many violations in the Action Plan, a **Showing** button will be displayed (this is to improve the performance of the display). You can choose to display more using the various options (20, 100, all violations). By default an upper maximum of 5000 violations is set when the "All" option is clicked. You can change the upper maximum if required (see the **violationsCount** option in [CAST Dashboard Package - Engineering Dashboard json configuration options](#)).

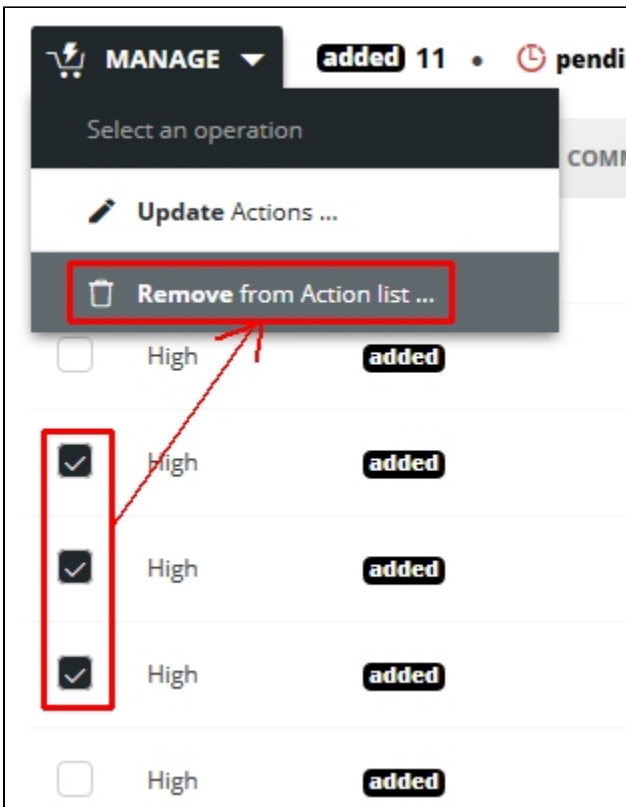


- You can add violations from the **Schedule Exclusion List** using the **Add the related violations to the Action Plan** option:



## Removing violations (objects) from the Action Plan

If you would like to remove a violation that has already been added to the Action Plan, you can do so as follows. Access the Action Plan from the **side menu bar**, or from the **Action Plan** tile on the "home" page. Select the violation or use the multi checkbox to select all objects you want to remove:

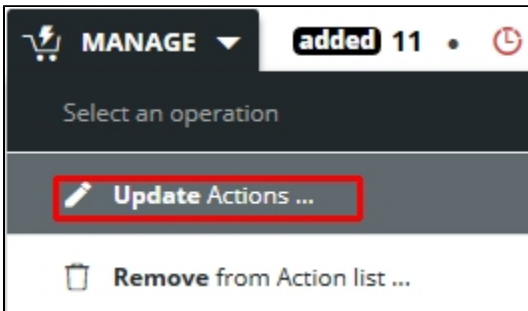


Then click the **Manage** button and select the **Remove From Action list** option as shown above. All selected violations will now be reset and will no longer be part of the Action Plan.

## Updating comments/priority for violations (objects) that are already present in the Action Plan

If you have added specific violations to the Action Plan with a specific priority and comment, you can alter the priority and comments directly, without having to remove the violation from the Action Plan and then re-add it. You can do this from the **Action Plan itself**:

Locate the violation in the **Action Plan**. Select the violation or use the multi checkbox to select all violations you want to update, then click the **Manage** button and select the **Update Actions** option:



A dialog box will be displayed enabling you to choose a new **Priority** you want to assign to the violation and edit the **comment** where necessary:

## Update Actions

Please, fill information below to update the selected Actions

Comment

Requires immediate re-mediation.

---

Extreme



CANCEL

UPDATE

All selected violations will now be updated.