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1 Introduction

1.1 Purpose
This guide describes non-administrative, ‘day-to-day’ usage of ForgeRock Access Review, including overviews and instructions for end user tasks. It is not intended to document creation and management of certification campaigns and Segregation-of-Duty (SOD) policies that introduce tasks into the application.

1.2 Intended Audience
This guide is written for ForgeRock Access Review users to perform actions in certification campaigns and SOD violation processes.
2 Dashboard

The Governance Dashboard displays all tasks assigned directly to the logged in user, or to any of the user’s groups. Tasks may be:

1. User Certification
2. Object Certification
3. Assignment Certification
4. Assignment Certification Review
5. Policy Violation

2.1 Task Summary

Task Summary completion indicators display percentage of tasks completed for the user and the user’s groups.
2.2 My Tasks

My Tasks provides a searchable list of all open tasks assigned to the logged in user. This list details the name of the campaign for which the user has tasks, type of tasks contained therein, a risk score indicating level of risk associated with items that are part of the task and the campaign deadline. If the campaign deadline passes, tasks are considered expired and removed from the list.

<table>
<thead>
<tr>
<th>%</th>
<th>Name</th>
<th>Task</th>
<th>Risk Score</th>
<th>Deadline</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Q2 Direct Report Certification</td>
<td>User Certification</td>
<td>10</td>
<td>09/24/2016</td>
</tr>
<tr>
<td>1</td>
<td>hberner New Access Certification</td>
<td>User Certification</td>
<td>1</td>
<td>09/16/2016</td>
</tr>
<tr>
<td>1</td>
<td>deschunn Systemwide Access Certification</td>
<td>User Certification</td>
<td>1</td>
<td>09/29/2016</td>
</tr>
<tr>
<td>1</td>
<td>Q2 Governance Specialist Certification</td>
<td>User Certification</td>
<td>1</td>
<td>09/20/2016</td>
</tr>
<tr>
<td>1</td>
<td>Software Update Certification</td>
<td>Object Certification</td>
<td>4</td>
<td>09/21/2016</td>
</tr>
</tbody>
</table>
2.3 My Group’s Tasks

My Group’s Tasks details a searchable list of all open tasks assigned to any authorization group of which the logged in user is a member. This list provides the name of the campaign for which the user has tasks, type of tasks contained therein, group associated with tasks, a risk score indicating level of risk associated with items that are part of the task and the campaign deadline. If the campaign deadline passes, the tasks are considered expired and removed from the list.

<table>
<thead>
<tr>
<th>%</th>
<th>Name</th>
<th>Task</th>
<th>Group Name</th>
<th>Risk Score</th>
<th>Deadline</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Q3 AD Group Certifications</td>
<td>User Certification</td>
<td>governance-administrator</td>
<td>10</td>
<td>09/30/2016</td>
</tr>
<tr>
<td></td>
<td>Governance High Risk User Certification</td>
<td>User Certification</td>
<td>governance-administrator</td>
<td>10</td>
<td>09/28/2016</td>
</tr>
<tr>
<td></td>
<td>Q4 Preliminary Certification</td>
<td>Object Certification</td>
<td>governance-administrator</td>
<td>4</td>
<td>09/22/2016</td>
</tr>
<tr>
<td></td>
<td>Semi Annual Role Certification</td>
<td>Object Certification</td>
<td>governance-administrator</td>
<td>10</td>
<td>09/15/2016</td>
</tr>
<tr>
<td></td>
<td>Monthly Device Certification</td>
<td>Object Certification</td>
<td>governance-administrator</td>
<td>4</td>
<td>09/15/2016</td>
</tr>
</tbody>
</table>

First 1 2 Last

Items per page: 5
3 User Certifications

3.1 Reviewing and Certifying a User Certification

1. Log into ForgeRock Access Review and navigate to the Dashboard page.

2. User Certifications are listed under the “Task” column as “Certifications” in “My Tasks” list, or “My Group’s Tasks” if assigned to a role. Selecting specific User Certification to be certified under the appropriate list will direct to the Certification Summary page.

User Access Certification

Dashboard > User Access Certification

![Certification Summary]

Campaign Info
- **Status**: In-Progress
- **Start Date**: 07/12/2019
- **End Date**: 08/30/2019
- **Total**: 0 Out Of 61

![Stage Indicator]

Stage 1 User List

<table>
<thead>
<tr>
<th>%</th>
<th>First Name</th>
<th>Last Name</th>
<th>Email Address</th>
<th>Manager</th>
<th>External ID</th>
<th>Job Code</th>
<th>Username</th>
<th>Stage Actions</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Alajandra</td>
<td>Alvarez</td>
<td><a href="mailto:alavarez@lhmtlabs.net">alavarez@lhmtlabs.net</a></td>
<td>Brady Perez</td>
<td>102</td>
<td>302</td>
<td>alavarez</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Amy</td>
<td>Conner</td>
<td><a href="mailto:aconner@lhmtlabs.net">aconner@lhmtlabs.net</a></td>
<td>Brady Perez</td>
<td>141</td>
<td>304</td>
<td>aconner</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Angela</td>
<td>Perkins</td>
<td><a href="mailto:aperkins@lhmtlabs.net">aperkins@lhmtlabs.net</a></td>
<td>Brady Perez</td>
<td>135</td>
<td>302</td>
<td>aperkins</td>
<td></td>
</tr>
</tbody>
</table>

- **Certification Summary**: Graphical representation of percentage certification complete
- **Campaign Details**: Displays a summary of the certification with the following information:
  - **Status**: Identifies the current state of the certification. Values may include Open or In-Progress.
  - **Start Date**: Identifies the date that the certification became active
  - **End Date**: (Active Certifications only) Identifies the deadline of the selected campaign stage
  - **Completion Date**: Identifies completion date of the certification. While viewing Active Certifications, this field will appear blank.
  - **Total**: Number of certifications to complete
- **Stage Indicator**: This is a graphical representation of the certification stages. Each stage of the certification requires certifiers to certify their target users. A certifier can view the certification history of the specific targets by clicking on the stage nodes. By selecting a stage node, the page will be updated to reflect data for the selected stage. Additional information is conveyed by the state and appearance of each node in the stage indicator. Note this information will differ depending on whether or not a certification is being viewed from the Admin Dashboard.

- **User view**: This view is primarily intended to reflect information that is relevant to the current user’s responsibilities. As such,
stage indicator nodes may be displayed in one of the following states:

- **Selected**: Selected stage will have its name displayed in bold, underlined text
- **Active**: Active stage’s node will be blue. This state is intended to illustrate which stage the current user needs to take action upon.
- **Completed**: Completed stage nodes will be green. A stage is considered complete when the actions have been taken on all stage events and the stage has received the certifier(s) sign-off.
- **Pending**: Future stage nodes will be grey

- **User List**: Details users to be certified as part of User Certifications:
  - **Filter**: Allows filtering of results shown on “User List.” Search can be conducted for any columns represented in the table.
  - Table Columns are used to identify, filter and sort users to be certified (note that other attributes aside from name and email will appear in this table as determined by the administrator):
    - %: Graphical representation of percentage complete for individual certifiable user
    - **Full Name**: Full Name of user to be certified
    - **Email**: Email of user to be certified
    - **Risk Score**: Risk Score of user to be certified
    - Full Name, Email and Risk Score can be sorted in ascending or descending order by clicking column name

*Note: Selecting the user will direct the logged in user to the User Summary Page.*

4. Certification Summary page contains certification summary details with several actions that can be executed directly on the user, or full list of users, to be certified. Note that certify remaining, reset, and claim actions can also be taken on a selected group of users using the checkboxes next to each listing:

- **Certify Remaining**: Selecting marks the user as certified for all remaining applications and marks the user as certified
- **Reset (stage wide)**: Resets all user events statuses to blank
- **Claim**: Claim a user event to act on
- **Sign-Off**: Confirms actions selected for each user event and triggers the remediation workflow (if selected when creating the campaign)
- **Comment**: Selecting allows justification details to be added for the specific user
- **Certify**: Selecting certifies the specific user
- **Abstain**: Selecting abstains the specific user
- **Revoke**: Selecting revokes the specific user

*Note: Additional justification will be required.*
- **Reset**: Selecting resets certification for the specific user, including all individually certified access
5. User Summary page contains the user summary details.

- **User Details**: Fields identifying user to be certified and status:
  - **Username**: Username of user to be certified
  - **First Name**: First Name of user to be certified
  - **Last Name**: Last Name of user to be certified
  - **Email Address**: Email Address of user to be certified
  - **Status**: Status of the user to be certified

- **Actions**:
  - **Certify**: Selecting certifies the specific application for the user
  - **Quick view**: Displays a modal with the summary of actions for the selected attribute across all stages (see screenshot above)
  - **Comment**: Selecting allows justification to be added for the specific application for the user
  - **Abstain**: Selecting abstains the specific user
  - **Revoke**: Selecting revokes the specific application for the user

*Note: An additional justification will be required.*

- **Reset**: Selecting resets the certification for the specific application/role for the user
- **User Attributes**: User attributes that can be individually certified for the user. If the attribute is multi-valued, selecting “+” expands the attribute, showing all corresponding values. Selecting “−” collapses the corresponding values.

<table>
<thead>
<tr>
<th>%</th>
<th>Name</th>
<th>Risk Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>☐</td>
<td>Authorization Roles</td>
<td>None</td>
</tr>
<tr>
<td>☐</td>
<td>governance-administrator</td>
<td>Low</td>
</tr>
<tr>
<td>☐</td>
<td>openidm-admin</td>
<td>Low</td>
</tr>
<tr>
<td>☐</td>
<td>active-directory</td>
<td>Medium</td>
</tr>
<tr>
<td>☐</td>
<td>certification-administrator</td>
<td>Medium</td>
</tr>
<tr>
<td>☐</td>
<td>Luminaries</td>
<td>Low</td>
</tr>
<tr>
<td>☐</td>
<td>Phones</td>
<td>None</td>
</tr>
</tbody>
</table>

- **Filter**: Filters results on “Attributes” table. Search can be conducted for any columns represented in the table.
- **Table Columns** are used to identify, filter and sort applications to be certified:
  - %: Graphical representation of the percentage complete for the individual certifiable user
  - **Name**: Name of attribute, or value of attribute, when expanded
  - **Risk Level**: Risk Level of application for user to be certified

*Note: Name and Risk Level can be sorted in ascending or descending order by clicking column name.*

- **Attributes**: Contains multi-valued attributes to be certified for the target user, including Provisioning Roles, Authorization Roles and custom objects. This section may contain data for User Certifications of Type Identity or Attribute only.
  - +/-: Identifies a row containing information about a multi-valued attribute. Selecting ‘+’ displays values for individually certifiable attributes. Selecting ‘-’ collapses values.
  - %: Graphical representation of the percentage complete for the attribute evaluation. An empty circle indicates no progress, whereas a blue circle indicates the attribute evaluation is complete. A row marked with +/- indicates overall progress for the attribute. Otherwise, the field indicates if a value has been certified.
  - **Name**: Identifies name of the attribute in a field marked with +/-.

Otherwise, the field identifies the value of the attribute to be certified.
- **Metadata**: Identifies whether metadata has been set for this attribute in the glossary
- **Risk Level**: (If ‘Configure Risk Level’ is enabled in System Settings) Identifies risk level of a value for an attribute on a 1-10 scale. A risk score of 1 indicates low risk target for the certification, whereas a risk score of 10 indicates high risk. This field will appear blank in rows marked with +/-.

- **Applications**: List of applications to be certified for the user. Selecting “+” expands the application to show corresponding attributes to be certified. Selecting “–” collapses the application, hiding corresponding attributes.

- **Filter**: Field used to filter results shown on “Applications” table. Searching can be conducted for any column represented in the table.
- **Table Columns**: used to identify, filter and sort applications listed to be certified:
  - %: Graphical representation of percentage complete for the individual certifiable user
  - **Attribute**: Attribute of application for user to be certified
  - **Value**: Value of application for user to be certified
  - **Risk Level**: Risk Level of application for user to be certified

  *Note: Attribute, Value and Risk Level can be sorted in ascending or descending order by selecting the column name.*

- **Metadata**: Identifies whether metadata has been set for this attribute in the glossary
- **Comments**: Identifies additional information around actions taken when certifying an application. This field will only appear on rows marked with +/-.
- **Quick View Mode**: The Event Details page provide a ‘Quick View’ option in order to view more easily previous certifiers’ responses for a particular Event Details attribute. Select the Quick View action to bring up the corresponding modal. Note that for nested attributes, this option is only available for items in the lowest nested group.

  - **Quick View Stage Indicator**: Indicates the certification’s stages. When the Quick View option is selected for an attribute, the Stage Indicator displayed in the resulting modal is scoped to that attribute. For completed stages, the attribute’s
Stage Indicator icon will match the attribute’s outcome in that stage. The actions, comments, and certifier for a completed stage can be viewed by selecting the stage.

6. This page may contain different information based upon the type of user certification. The following types of user certification can be created:

- Identity: Generates certification for all user information
- Application: Generates user certification for an access granted within a specified application
- Attribute: Generates certification for a user if associated with a specified value within a given attribute. Typically, this is a role that a user is a member of

Note: The list may be filtered by the risk associated with each attribute or application.

7. In the User Summary page containing user summary details, there are several actions that can be executed directly on the user to be certified:

- **Certify**: Selecting certifies the specific application for the user
- **Quick view**: Displays a modal with the summary of actions for the selected attribute across all stages (see screenshot above)
- **Comment**: Selecting allows justification to be added for the specific application for the user
- **Abstain**: Selecting abstains the specific user
- **Revoke**: Selecting revokes the specific application for the user

Note: An additional justification will be required.

- **Reset**: Selecting resets the certification for the specific application/role for the user
### User Attributes

<table>
<thead>
<tr>
<th>%</th>
<th>Name</th>
<th>Risk Score</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Authorization Roles</td>
<td></td>
</tr>
<tr>
<td></td>
<td>governance-administrator</td>
<td>3</td>
</tr>
</tbody>
</table>

### Applications

<table>
<thead>
<tr>
<th>%</th>
<th>Attribute</th>
<th>Value</th>
<th>Risk Score</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>OpenDJ</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>account</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>
8. To complete a user certification task, all user(s) and user(s) applications must be completely certified, abstained or revoked.
   a. Select “Sign Off” on the Certifications Summary page
   b. Justification is required
   c. The task is removed from the corresponding list of tasks
3.2 User Certification History

1. Select “User Certification History” under Certification menu bar item. The user Certification History page is displayed.

2. Similar to active certifications, user-owned certifications and group owned certifications are shown separately. Each contains the number of certification events that were part of the campaign, as well as the completion date. Additionally, the Closed Group User Certification Campaign list includes the group associated with the campaign. Selecting campaign details the list of items associated with that campaign.
3. Item history includes information about the certification campaign itself, as well as individual items it contains.

- Certification Information includes the following information:
  - **Status**: The resolution of the completed campaign
  - **Completion Date**: Date the logged-in user completed the campaign

- The User List contains the following information:
  - **Target Name**: Name of a user that was part of the campaign
  - **Email**: Email address associated with the user
  - **Risk Score**: Score associated with risk generated by the items certified along with the user
  - An icon representing the Certify / Revoke / Abstain action performed for the user as part of the certification campaign

4. Selecting an individual user from the list will show details for that user within the certification campaign.

5. The user details page for the certification history contains the following sections:
● **User Details**: Fields used to identify the user to be certified and the status of that user:
  - **Username**: Username of the certified user
  - **First Name**: First Name of the certified user
  - **Last Name**: Last Name of the certified user
  - **Email Address**: Email Address of the certified user
  - **Status**: Finalized Status of the certified user

● **User Attributes**: User attributes that were certifiable as part of the campaign. Selecting “+” expands the attribute, detailing all corresponding values. Selecting “−” collapses the corresponding values.
  - **Filter**: Field used to filter results detailed on the “Attributes” table. Search can be conducted for any column represented in the table.
Table Columns are used to identify, filter and sort applications listed to be certified:

- **%**: Graphical representation of action taken on the attribute
- **Name**: Name of the attribute, or the value of the attribute when expanded
- **Risk Level**: Risk Level of application for the user to be certified

*Note: Name and Risk Level can be sorted in ascending or descending order clicking the column name.*

- **Applications**: List of applications to be certified for the user. Selecting “+” expands the application, detailing the corresponding attributes to be certified. Selecting “–” collapses the application, hiding the corresponding attributes.
  - **Filter**: Field used to filter results shown on the “Applications” table. Search can be conducted for any column represented in the table.
  - **Table Columns are used to identify, filter and sort applications listed to be certified:**
    - **%**: Graphical representation of action taken application or item within the application
    - **Attribute**: Attribute of application for the user to be certified
    - **Value**: Value of application for the user to be certified
    - **Risk Level**: Risk Level of application for the user to be certified

*Note: Attribute, Value, and Risk Level can be sorted in ascending or descending order clicking the column name.*
4 Object Certifications

4.1 Reviewing and Certifying an Object Certification

1. Object Certifications are listed under the “Task” column as “Object Certifications” in the “My Tasks” list, or “My Group’s Tasks” if assigned to a role. Selecting “Object Certification” to be certified, under the appropriate list, will direct to the Object Certification Summary page.

![Governance Dashboard](image-url)
2. The Object Certification Summary page contains certification summary details.

- **Object Certification Summary**: Graphical representation of percentage certification is complete
- **Object List**: All objects to be certified as part of this Object Certifications:
  - **Filter**: Field used to filter results shown on the “Object List.” Search can be conducted for any column represented in the table.
  - **Table Columns** are used to identify, filter and sort objects listed:
    - %: Graphical representation of percentage complete for the individual certifiable object
    - **Object Name**: Name used to identify the object to be certified
    - **Risk Score**: Risk Score of the object to be certified, used to identify the evaluated Risk Score

*Note: Object Name and Risk Score can be sorted in ascending or descending order clicking the column name.*

*Note: Selecting the object will direct to the Object Summary Page.*

3. The Object Certification Summary page contains the object certification summary details. Several actions can be executed directly on the object, or to the full list of objects to be certified:
   - **Certify Remaining**: Selecting marks the object as certified for all remaining assignments
   - **Comment**: Selecting allows justification for the specific object
● **Certify:** Selecting certifies the specific object
● **Abstain:** Selecting abstains the specific object
● **Revoke:** Selecting revokes the specific object. Additional justification will be required.
● **Reset:** Selecting resets the certification for the specific object, including all individually certified access
4. The Object Summary page contains object summary details.

- **Object Certification Summary**: Graphical representation of percentage certification complete
- **Object Details**: Used to identify an object to be certified and status:
  - **Type**: Type of object to be certified
  - **Status**: Status of the object to be certified
  - **Certify Remaining**: Selecting marks all assignments in the list as certified for the specific object
  - **Revoke**: Selecting marks the user as revoked for all remaining applications

- **Assignments**: List of assignments to be certified for the object:
  - **Filter**: Used to filter results shown on “Assignments” table. Search can be conducted on any column represented in the table.
  - Table Columns are used to identify, filter and sort assignments listed to be certified:
    - %: Graphical representation of percentage complete for the individual certifiable object
    - **Name**: Name of assignment for object to be certified
    - **Risk Level**: Risk Level of assignment for object to be certified

*Note: Name and Risk Level can be sorted in ascending or descending order clicking the column name.*
5. The Object Summary page contains object summary details. Several actions can be executed directly on the object to be certified:

- **Certify Remaining**: Selecting marks the object as certified for all remaining assignments.
- **Comment**: Selecting allows justification to be added for the specific assignment.
- **Certify**: Selecting certifies the specific assignment for the object.
- **Revoke**: Selecting revokes the specific assignment for the object. Additional justification will be required.
- **Reset**: Selecting resets the certification for the specific assignment for the object.
6. To complete an object certification, the object and object’s assignments must be completely certified, abstained or revoked.
   a. Select “Sign Off” on the Certifications Summary page
   
   ![User List Table]

   b. Justification will be required
   c. The task will now be removed from the corresponding list of tasks
4.2 Viewing Object Certification History

To open the object certification history page:

1. Select “Object Certification History” under Certification menubar item. Object Certification History page is displayed.

2. Similar to active object certifications, user-owned certifications and group owned certifications are shown separately. Each contains the number of certification events that were part of the campaign, as well as the completion date. Additionally, Closed Group Object Certification Campaign list includes the group associated with the campaign. Selecting one of the campaigns details the list of objects associated with that campaign.
3. Object list history includes information about each object that was part of the campaign:
   
   - **Object Name**: Name of the object that was part of the campaign.
   - **Risk Score**: Risk score associated with the object.
   - Icon representing the Certify / Revoke / Abstain action performed for the object as part of the certification campaign.
   - Icon that can be selected to display comments associated with the object.

4. Selecting an individual object from the list will provide details for that object within the certification campaign.

5. Object details page for the certification history contains the following sections:
   
   - **Object Details**: Fields used to identify the object that was certified and the finalized status:
     - **Type**: Object that was certified
     - **Status**: Finalized Status of the certified object
• **Assignments**: Assignments associated with the object:
  o **Filter**: Field used to filter results shown on the “Assignments” table
  o Table Columns are used to identify, filter and sort assignments listed to be certified:
    • %: Graphical representation of action taken on the attribute.
    • **Name**: Name of the assignment
    • **Risk Level**: Risk Level of the assignment
    • An information icon can be selected which details the access the assignment provides

*Note: Name and Risk Level can be sorted in ascending or descending order clicking the column name.*
5 Assignment Certifications

5.1 Certifying an Assignment Certification

1. Log into ForgeRock Access Review and navigate to the Dashboard page.

2. Assignment Certifications are listed under the “Task” column as “Assignment Certifications” in the “My Tasks” list, or “My Group’s Tasks” if assigned to a role. Selecting “Assignment Certification” to be certified under the appropriate list will direct to the Assignment Certification Summary page.

3. Assignment Certification Summary page contains the certification summary details.
- **Assignment Certification Summary**: Graphical representation of percentage certification is complete
- **Assignment List**: Lists all assignments to be certified as part of this Assignment Certifications:
  - **Filter**: Used to filter results shown on the “Assignment List”. Search can be conducted for any column represented in the table.
  - **Table Columns** are used to identify, filter and sort assignments listed to be certified:
    - `%`: Graphical representation of percentage complete for the individual certifiable assignment
    - **Assignment Name**: Assignment Name of the assignment to be certified. This field is used to identify the assignment to be certified.
    - **Risk Score**: Risk Score of the assignment to be certified. This field is used to identify the evaluated Risk Score.

*Note: Assignment Name and Risk Score can be sorted in ascending or descending order clicking the column name.*

*Note: Selecting the assignment will direct to the Assignment Summary Page*

4. While on the Assignment Certification Summary page containing the assignment certification summary details, several actions that can be executed directly on the assignment or to the full list of assignments to be certified:
   - **Certify Remaining**: Selecting marks the assignment as certified for all remaining applications
   - **Comment**: Selecting allows justification to be added for the specific assignment
- **Certify:** Selecting certifies the specific assignment
- **Abstain:** Selecting abstains the specific assignment
- **Revoke:** Selecting revokes the specific assignment. Additional justification will be required
- **Reset:** Selecting resets the certification for the specific assignment including all individually certified access

5. Assignment Summary page contains the assignment summary details.
● **Object Summary:** Graphical representation of percentage the certification is complete

● **Assignment Details:** Fields used to identify the assignment to be certified and status of that assignment:
  
  o **Assignment Name:** Assignment name of the assignment to be certified
  
  o **Application Name:** Application name of the assignment to be certified
  
  o **Status:** Status of the assignment to be certified
  
  o **Certify Remaining:** Selecting marks all assignments in the list as certified for the specific assignment
  
  o **Assignments:** List of assignments to be certified for the assignment

  o **Filter:** Field used to filter results shown on “Assignments” table. Searching can be conducted for any column represented in the table.
  
  o **Table Columns** are used to identify, filter and sort the assignments listed to be certified:
• %: Graphical representation of percentage complete for the individual certifiable assignment
• **Name:** Name of the assignment to be certified
• **Value:** Value of the assignment to be certified
• **Risk Level:** Risk Level of the assignment to be certified

*Note: Name, Value and Risk Level can be sorted in ascending or descending order clicking the column name.*
6. The Assignment Summary page contains the assignment summary details. There several actions that can be executed directly on the assignment to be certified:

- **Certify Remaining:** Selecting marks the assignment as certified for all remaining applications
- **Comment:** Selecting allows justification to be added for the specific application for the assignment
- **Certify:** Selecting certifies the specific application for the assignment
- **Revoke:** Selecting revokes the specific application for the assignment. Additional justification will be required.
- **Reset:** Selecting resets the certification for the specific application for the assignment

![Assignment Summary Table]

7. To complete an assignment certification, the assignment and assignment’s applications must be completely certified, abstained or revoked.
   a. Select “Sign Off” on the Certifications Summary page

![Assignment List Table]

   b. Justification will be required
   c. The task will now be removed from the corresponding list of tasks

![Assignment List Table]
5.2 Reviewing an Assignment Certification

When a user revokes an assignment certification, a review task is sent out to the owners of any roles or other system objects associated with the assignment. If all reviews are approved, access associated with the assignment is removed from all users that are a member of the given object. If any reviews are rejected, manual remediation process must take place.

1. Navigate to the Dashboard page.

2. Assignment Reviews are listed under “Task” column as “Assignment Review” in “My Tasks” list, or “My Group’s Tasks” if assigned to a role. Selecting “Assignment Review” under the appropriate list will direct to the Assignment Review Summary page.

3. The Assignment Review Summary page closely mirrors the Assignment Certification Summary page.

- Assignment Certification Summary: Graphical representation of percentage review is complete
- Assignment List: Lists all assignments to be reviewed as part of this Assignment Review:
  - Filter: Field used to filter results shown on “Assignment List”. Search can be conducted for any column represented in the table.
  - Table Columns are used to identify, filter and sort assignments listed to be reviewed:
    - %: Graphical representation of percentage complete for the individual assignment
    - Assignment Name: Assignment Name of assignment to be reviewed
    - Object Name: Name of the object whose access is affected by the revoked assignment attributes
    - Object Type: Type of object whose access is affected by the revoked assignment attributes
    - Risk Score: Risk Score of the assignment under review.

Note: Assignment Name and Risk Score can be sorted in ascending or descending order clicking the column name.

Note: Selecting the assignment will direct to the Assignment Summary Page

4. The Assignment Review Summary page contains the assignment certification summary details. Several actions can be executed directly on the assignment:
   - Comment: Selecting allows justification for the specific assignment
● **Reset:** Selecting resets review for the specific assignment

5. Assignment Review Summary page contains the assignment summary details
- **Object Summary:** Graphical representation of percentage review is complete
- **Assignment Details:** Fields used to identify the assignment to be reviewed and status of that assignment:
  - **Assignment Name:** Assignment name of the assignment to be reviewed
  - **Object Type:** Type of object whose access is affected by the revoked assignment attributes
  - **Object Name:** Name of object whose access is affected by the revoked assignment attributes
  - **Application Name:** Application name of assignment to be certified
  - **Status:** Status of assignment to be reviewed
  - **Approve Removal:** Selecting indicates the logged in user is approval removal of the access from the assignment
  - **Reject Removal:** Selecting indicates the logged in user is rejecting removal of the access from the assignment
• **Assignments**: List of attributes that are part of the assignment:
  o **Filter**: Field used to filter results shown on “Assignments” table. Search can be conducted for any columns represented in the table.
  o Table Columns are used to identify, filter and sort the assignments listed to be certified:
    • **%**: Graphical representation of action taken during the initial certification. Review is only for those attributes with the icon indicating the access was removed.
    • **Name**: Name of the attribute
    • **Value**: Value of the attribute
    • **Risk Level**: Risk Level of the assignment to be certified

*Note: Name, Value and Risk Level can be sorted in ascending or descending order clicking the column name.*

6. The Assignment Summary page contains the assignment summary details. There is only one additional action that can be taken for each individual attribute. The approver cannot choose which part of the removal they approve or reject - actions are complete across the entire assignment.

• **Comment**: Selecting allows justification to be added for the specific application for the assignment
7. To complete an assignment certification, the assignment and assignment’s applications must be completely certified, abstained or revoked.
   a. Select “Sign Off” on the Certifications Summary page

   ![Certifications Summary](image)

   b. Justification will be required
   c. The task will now be removed from the corresponding list of tasks
5.3 Viewing Assignment Certification History
To open the assignment certification history page:

1. Select “Assignment Certification History” under Certification menubar item. The Assignment Certification History page is displayed.

2. Similar to active assignment certifications, user owned certifications and group owned certifications are shown separately. Each contains the number of certification events that were part of the campaign, as well as the completion date. Additionally, Closed Group Assignment Certification Campaign list includes the group associated with the campaign. Selecting one of the campaigns opens the list of assignments associated with the campaign.
3. Assignment list history includes information about each of the assignments that were part of the campaign:
   - Assignment Certification Information includes the following information:
     - **Type**: Type of certification generated as part of the campaign
     - **Status**: Resolution of the completed campaign
     - **Completion Date**: Date which the logged in user completed the campaign
   - Assignment List:
     - **Assignment Name**: Name of the assignment that was part of the campaign
     - **Risk Score**: Risk score associated with the assignment
     - Icon representing the Certify / Revoke / Abstain action performed for the assignment as part of the certification campaign
     - Icon that can be clicked to display comments associated with the assignment

4. Selecting an individual assignment from the list will provide details for that assignment within the certification campaign.

5. The assignment details page for the certification history contains the following sections:

   ![Dashboard > Assignment History > Quarterly Assignment Certification > AD group Assignment](image)

   - **Assignment Certification Details**: Fields used to identify the assignment that was certified and the finalized status:
     - **Assignment Name**: Assignment that was certified
     - **Application Name**: Application targeted by the assignment
     - **Status**: Finalized Status of the certified assignment
   - **Assignments**: Attributes that are part of the assignment:
     - **Filter**: Field used to filter results shown on “Assignments” table
     - Table Columns are used to identify, filter and sort the attributes listed to be certified:
- %: Graphical representation of action taken on the attribute
- Name: Name of the attribute
- Value: Value of the attribute for the given attribute
- Risk Level: Risk Level of the assignment

**Note:** Name, Value and Risk Level can be sorted in ascending or descending order clicking the column name.

### 5.4 Viewing Assignment Review History

To open the assignment review history page:

1. Select “**Assignment Certification Review History**” under the Certification menubar. The Assignment Review History page is displayed.

![Dashboard > Assignment Review History](image)

2. Similar to active assignment review, user owned review and group owned review histories are shown separately. Each contains number of certification events that were part of the campaign, as well as the completion date. Additionally, the Closed Group Assignment Certification Campaign list includes the group associated with the campaign. Selecting one of the campaigns opens the list of assignments associated with the campaign.
3. Assignment list history includes information about each of the assignments that were part of the campaign:
   - Assignment Certification Information includes the following information:
     - **Type**: Type of certification that was generated as part of the campaign
     - **Status**: Resolution of the completed campaign
     - **Completion Date**: Date which the logged in user completed the campaign
   - **Assignment List**:
     - **Assignment Name**: Name of the assignment that was part of the campaign
     - **Risk Score**: Risk score associated with the assignment
     - Icon representing the Approve / Reject action performed for the assignment as part of the certification campaign
     - Icon that can be selected to display comments associated with the assignment

4. Selecting an individual assignment from the list will provide details for that assignment within the review.

5. The assignment details page for the certification history contains the following sections:
- **Assignment Certification Details**: Fields used to identify the assignment certified and the finalized status
  - **Assignment Name**: Name of the assignment that was reviewed
  - **Object Type**: Type of the object whose access is affected by the revoked assignment attributes
  - **Object Name**: Name of the object whose access is affected by the revoked assignment attributes
  - **Application Name**: Application name of the assignment that was reviewed
  - **Status**: Finalized status of the assignment that was reviewed
- **Assignments**: The attributes that are part of the assignment:
  - **Filter**: Field used to filter results shown on “Assignments” table
  - Table Columns are used to identify, filter and sort the attributes listed to be certified:
    - %: Graphical representation of action taken on attribute
    - **Name**: Name of the attribute
    - **Value**: Value of the attribute
    - **Risk Level**: Risk Level of the assignment

*Note: Name, Value and Risk Level can be sorted in ascending or descending order clicking the column name.*
6 Policies

The Policies feature allows for the creation of policy rules that define combinations of user details, roles or assignments, which constitute policy violations. When a scan is performed against a policy, violations will be created for users based on the rules of the policy. The owner of the violation may choose to remove the violation via remediation or grant an exception to the user and allow the violation to exist for a defined period of time.

6.1 Managing Policy Violations

Policy violations are created as a result of scans against policies and assigned to an owner specified in the policy. The violation details the policy violated, the user in violation and the specific rules violated.
6.1.1 Opening Policy Violation Details

To open policy violation details:

1. Select the “Dashboard” menubar item. The Governance Dashboard page is displayed.

2. Optionally, use the Filter bar to search for a specific violation by name, task type or other violation attributes.

3. Select the desired violation from the list. The violation details page is displayed.
6.1.2 Grant Exception for Policy Violations

If a violation owner determines the user in violation should be allowed to exist with the violating attributes and assignments, the owner may grant a violation exception to the user. While this grant is active, no new violations will be created against the user for the policy in violation.

To grant exceptions for policy violations:

1. Open a policy violation details page, as described in “Open Policy Violation Details”.
2. Select “Grant Exception” button. A details box is displayed.

3. Select an Expiration Date using the calendar button. If the user is scanned against the same policy before the expiration date, no new violation will be generated.
4. Enter a comment indicating the reason for canceling the exception. *Note: A comment is required. The submit button will be inactive until one is provided.*

5. Select the “Submit” button to grant the violation exception.
6.1.3 RemEDIATE Policy Violations

If a violation owner determines a user in violation should not be allowed to exist with the violating assignments and / or attributes, the owner may remediate the violation.

The remediation process is defined in the policy. If no remediation process is specified, rejecting the violation will result in no action taken against the user. A subsequent scan against the policy will generate a new violation.

To remediate policy violations:

1. Open a policy violation details page, as described in “Open Policy Violation Details”.
2. Optionally, select Add Comment to add a comment to the violation history.
3. Select the “Reject” button on the policy violation details page to remediate the violation.
6.1.4 Policy Violations History

To view policy violations history:

1. Select “Policies” menubar item, then Violations History menu item. The Violations History page is displayed.
2. Optionally, use the Filter bar to search for a specific violation by name, task type or other violation attribute.
3. Click the desired violation from the list. The violation details page is displayed.
6.2 Managing Violation Exceptions

When a violation owner completes a violation using Grant Exception, a violation exception item is created for the same owner. The exception details the user who was granted the exception, the policy for which the original violation was created and comment provided by the owner during the exception grant.

6.2.1 Open Violation Exception Details

To open violation exception details:

1. Select “Exceptions” under Policies menubar item. The Exceptions List page is displayed.

2. Optionally, use the Filter bar to search for a specific exception by username, policy name or expiration date.

3. Select the desired exception from the list. The details page is displayed.
6.2.2 Cancel Violation Exceptions

To cancel policy violations:

1. Open a violation exception details page, as described in “Open Violation Exception Details”.
2. Select “Cancel”. A comments box is displayed.

3. Enter a comment indicating the reason for canceling the exception. A comment is required. The submit button will be inactive until one is provided.

4. Select the “Submit” button to cancel the exception. A message indicating the exception was canceled successfully is displayed.
6.2.3 Exceptions History

To view an expired exception:

1. Select “Policies” menubar item then click “Exception History” menu item. The Exception History page is displayed.
2. Optionally, use the Filter bar to search for a specific exception by name, task type, or other violation attribute.
3. Select the desired exception from the list. The exception details page is displayed.

![Exceptions History Page](image_url)
## Exception Details

**Dashboard > Exceptions History > Exception Details**

<table>
<thead>
<tr>
<th>Details</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Policy Name</td>
<td>Payroll Combo</td>
</tr>
<tr>
<td>User</td>
<td>mjenkins1</td>
</tr>
<tr>
<td>Start Date</td>
<td>10/23/2019</td>
</tr>
<tr>
<td>Expiration Date</td>
<td>10/31/2019</td>
</tr>
<tr>
<td>Completion Date</td>
<td>10/23/2019</td>
</tr>
<tr>
<td>Approver</td>
<td>therman</td>
</tr>
<tr>
<td>Comment</td>
<td></td>
</tr>
<tr>
<td>Time</td>
<td>10/23/2019</td>
</tr>
<tr>
<td>Username</td>
<td>therman</td>
</tr>
<tr>
<td>Action</td>
<td>Cancel Exception</td>
</tr>
<tr>
<td>Comment</td>
<td>access is no longer approved</td>
</tr>
<tr>
<td>Comment</td>
<td></td>
</tr>
<tr>
<td>Time</td>
<td>10/23/2019</td>
</tr>
<tr>
<td>Username</td>
<td>therman</td>
</tr>
<tr>
<td>Action</td>
<td>Comment</td>
</tr>
<tr>
<td>Comment</td>
<td>User is approved</td>
</tr>
</tbody>
</table>