HP EnterpriseView

For Windows

Software Version: 1.5

Administration Guide

Document Release Date: October 2012

Software Release Date: October 2012

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Chapter 1

Welcome to This Guide

Welcome to the HP EnterpriseView Administration Guide. This guide provides you information about day to day administrator tasks. Installation and initial configuration information can be found in the EnterpriseView Deployment Guide.

This guide is intended for the EnterpriseView System Administrator. Readers of this guide should be knowledgeable about enterprise system administration and have familiarity with information security concepts.

This guide includes the following chapters:

Chapter 2

About EnterpriseView

EnterpriseView is a framework that enables Chief Information Officers (CIOs) and Chief Information Security Officers (CISOs) to analyze security risk information in a business context and prioritize actions to minimize that risk. By tying IT risk and compliance information to business services EnterpriseView ensures alignment with management objectives. EnterpriseView bridges the gap between IT operations and the security office by interconnecting and consolidating business processes across the organization and establishing a rational basis for decision making. EnterpriseView incorporates a holistic, enterprise approach, streamlining and integrating risk, compliance, threat and vulnerability information and providing a business context to executives. EnterpriseView anticipates threats and provides continuous monitoring, by regularly updating and testing security related functions.

EnterpriseView includes the following features:

- **Policy and Compliance Management**. In addition to auditing, this module includes out-of-the-box polices, such as Unified Compliance Framework (UCF) enabling "audit once - comply with many" functionality, a policy builder for creating customized policies, and Statement of Applicability (SoA) capability.
- **Risk Modeling**. Using the flexible and expandable threat library, you can define threat scenarios for the assets in your organization's business model and specify impact and probability to calculate their risk.
- **Vulnerability Management**. This module collects vulnerabilities from vulnerability assessment tools, removes duplicates, assigns them to assets, and prioritizes them accordingly, allowing the user to manage the remediation process.
- **Asset Management**. Assets are the building blocks of the business model, which is the foundation for all core EnterpriseView functionality. The business model depicts the entire organization from high-level business assets to low-level IT assets, on which policy, risk, and vulnerability operations are performed.You can create the business model by synchronizing EnterpriseView with an external asset repository or by creating it using the Assets module.
- **Dashboards and Reports**. Includes both out-of-the-box sophisticated executive dashboards, such as the Risk Register and reports, as well as the ability to create your own customized dashboards and reports.
- **Task Management**. EnterpriseView enables you to create, manage, and monitor workflows. Use workflows to structure and streamline your organization’s processes and assign tasks to the relevant people.

Chapter 3

Update your EnterpriseView License

To update your license

1. Obtain a license for EnterpriseView from your support or sales representative and save a copy of the license on the EnterpriseView server.
2. Stop the EnterpriseView service.
3. On the EnterpriseView server, open the following folder from the command line:

   <**EnterpriseView installation folder>\bin**
4. Run the following command:

   upload-license.bat -f <full path to the location of the license file>
5. Start the EnterpriseView service.

Chapter 4

EnterpriseView Workspace

EnterpriseView comes with a variety of out-of-the-box dashboard pages, based on common needs of IT and GRE personas, such as system administrators, auditors, and senior management. EnterpriseView administrators can create role-based dashboards for different types of users by mixing and matching components from the component gallery to form a rich UI experience. For each page, the administrator can define the layout of components on the page, and their interaction with one another.

This section includes the following topics:

Create a Customized Dashboard Page

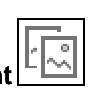
In addition to the dashboards already defined in EnterpriseView, you can create a customized dashboards using the BusinessObjects Reports component. The BusinessObjects Reports component includes predefined SAP BusinessObjects reports, in addition to any existing user-created reports. For more information on creating EnterpriseView reports in SAP BusinessObjects, see the *Create a Report Using SAP BusinessObjects Web Intelligence* section in the *HP EnterpriseView User Guide*.

To create a customized dashboard page

Note: Before you begin, plan which components you want to use and how to arrange them on the page.

1. In EnterpriseView, click **Administration > Dashboard Builder**.

   The **Dashboard Builder** opens in a new window.

2. On the **Dashboard Builder** window, click **New Page**  button.
3. Configure the page layout, as described in "Configure Page Layout" on next page.
4. In an empty layout area, click the **Add Component**  button.

5. On the **Component Gallery** dialog box, in the left pane, select the **Executive View** category.
6. From the right pane, drag the **BusinessObjects Reports** component to the empty layout space.
7. Close the **Component Gallery** dialog box.
8. In the BusinessObjects Reports component, from the **Reports** list, select the report you want to use in the dashboard that you are creating.
9. If the report requires parameters, select one of the following:

   > **Note:** If the report does not require parameters, skip this step.

   - To create a report/dashboard for a specific asset/policy, select either **Select a Specific Asset** or **Select a Specific Policy**.
   - To create a dynamic report/dashboard, that receives the asset/policy as a parameter using the wiring capability, select either **Set up wiring between this component and an Asset Selector component** or **Set up wiring between this component and a Policy and Asset Selector component**.

   > **Note:** If the report requires an **Asset** parameter and you selected **Set up wiring between this component and an Asset Selector component**, then you must add an **Asset Selector** component to the page. if the report requires a **Policy** parameter and an **Asset** parameter and you selected **Set up wiring between this component and a Policy and Asset Selector component**, then you must add a **Policy and Asset Selector** component to the page.

10. To remove a component from a page, select a component, and then click the **Remove Component** button.
11. Click **Create Report**.
12. Save the page, as described in "Save Page" on next page.

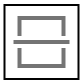
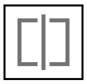
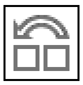
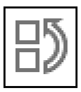
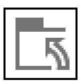
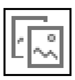
Configure Page Layout

The layout refers to how components are arranged on a page. EnterpriseView enables you to define each layout as horizontal (components are displayed side by side), vertical (components are displayed one above the other), or in tabbed areas. When a layout is empty, the layout tools on the upper left area enable you to define the layout.

To configure page layout

On the new page, use the layout tools to configure the layout, as described in the following table.

> **Note:** You can drag components from the Component Gallery to the required section on the page.

Layout tool	Description
	**Split** Click to divide a vertical layout into two layouts, one above the other.
	**Split** Click to divide a horizontal layout into two layouts, side by side.
	**Switch to Horizontal** Click to change the layout from vertical or tabbed to horizontal. Components placed in this area will be added side by side.
	**Switch to Vertical** Click to change the layout from horizontal or tabbed to vertical. Components placed in this area will be added one above the other.
	**Switch to Tabs** Click to change the layout from vertical or horizontal, to a tab layout. Components placed in this area will be added as tabs.
	**Add Component** Click to open the Component Gallery. You can then double-click a component to place it in the layout area.
	**Remove Layout** Click to remove a layout from the page.

Save Page

Save the page to the Page Gallery.

To save a page

1. On the EnterpriseView toolbar, click the **Save or Save as**  button.
2. On the **Save to Page Gallery** dialog box, do the following, and then click **OK**:
   a. In the **Name** box, enter a name for the page. This is the name that is displayed in EnterpriseView.
   b. If you are saving the page as a new page, select the **Save as new page** check box.
   c. In the **Description** box, if necessary, enter a description. The description appears as a tooltip for the page, within the Page Gallery.
   d. From the list of categories, select the category to which the page belongs. If you do not select a category, the page will be added to the **Not Categorized** group.

> **Note:** Pages that are saved to a specific category are displayed under that category in the EnterpriseView Home page and in the navigation bar. Pages in the **Not Categorized** group are not displayed.

3. Refresh your browser.

Manage Pages

Pages are collections of components that are displayed together and that interact with one another.

Default pages are located in the Page Gallery, together with any pages you created and saved. Through the Page Gallery, you can select a page, open it in the EnterpriseView workspace, assign pages to categories, and clone or delete pages. You can delete only user-created pages.

To assign a page to a category

1. On the EnterpriseView toolbar, click the **Page Gallery** button.
2. On the **Page Gallery** dialog box, select the category check box from the categories on the left side, and then select the page.
3. Click the **Categorize Page** button. Select the category check box, and then click **OK**.

To clone a page

1. On the EnterpriseView toolbar, click the **Page Gallery** button.
2. On the **Page Gallery** dialog box, select the category check box from the categories on the left side, and then select the page.
3. Click the **Clone Page** button.

To delete a page

1. On the EnterpriseView toolbar, click the **Page Gallery** button.
2. On the **Page Gallery** dialog box, select the category check box from the categories on the left side, and then select the page.
3. Click the **Delete Page** button. A confirmation message is displayed. Click **Yes**.

Edit Page Layout

To edit page layout

1. Select the page that you want to lay out again from the **Select Page** drop-down on the EnterpriseView toolbar.
2. Click the **Edit Page Layout** button.

The components are hidden and the layout of the page is displayed.

3. Lay out the page again using the layout tools, as described in "Configure Page Layout" on page 10, and then click the **Edit Page Layout** button to exit editing.
4. Save the page. For more information, see "Save Page" on page 11.

Manage Components

Components are areas on a page that display information relevant to EnterpriseView users' business tasks. The Component Gallery contains components that can be used within EnterpriseView, grouped by categories. You can add, edit and delete user-created component categories via the Component Gallery, as described in "Manage Component Categories" below. You can also create external components, as described in "Create an External Component" on next page.

Each component has permissions that are relevant to the function that it provides. When you create a new page, the components that you choose define which roles will be able to access the page. Only users with roles that include permissions for all of the components on the page are granted access to that page. For more information on the permissions of each page, see the *Roles and Permissions* section in the *EnterpriseView Deployment Guide*.

Manage Component Categories

You can add, rename, and delete user-created component categories via the Component Gallery.

To create a new component category

1. On the EnterpriseView toolbar, click the **Components** button.
2. On the **Components Gallery** dialog box, click the **New Category** button on the top left side.
3. In the **New Category** dialog box, in the **Name** field, enter a name for the category that you are creating, and then click **OK**.

To rename a component category

1. On the EnterpriseView toolbar, click the **Components** button.
2. On the **Components Gallery** dialog box, from the list of categories on the left side, select the check box for the category that you want to rename, and then click the **Edit Category Name** button.
3. On the **Edit Category Name** dialog box, in the **Name** field, enter a new name for the category, and then click **OK**.

To delete a component category

1. On the EnterpriseView toolbar, click the **Components** button.

2. On the **Components Gallery** dialog box, from the list of categories on the left side, select the check box of the category you want to delete, and then click the **Delete Category** button. A confirmation message is displayed. Click **Yes**.

   Any components that belonged to this category are now in the **Not Categorized** group.

Create an External Component

The following procedure describes how to create a component using a URL. You must use a static URL, where the component simply opens the URL that you enter. The URL for an external component must begin with one of the following protocols:

- https://
- http://
- ftp://

To create an external component

1. On the EnterpriseView toolbar, click the **Components** button.
2. On the **Components Gallery** dialog box, in the left pane, click the **Add External Component** button.
3. On the **New Component** dialog box, do the following, and then click **OK**:
   a. In the **Name** field, enter a name for the component.
   b. In the **URL** field, enter the URL.
   c. Click **Categorize Component** to expand the section. Select the check box of the category to which you want to add the component or click the **New Category** button to create a new one.

Set Up Wiring Between Components

The interaction between components on a page in EnterpriseView is called wiring. After you place components on a page, you can define how components interact with one another. In addition, a component can send a wiring context to another component indicating what has changed in the first component, and the second component can respond to this change. For example, you can set up a page so that if you select an asset in one component (source), the other components on the page display information relating to that asset (target).

Default pages have predefined wiring. You can define wiring for user-created pages in addition to modifying default wiring definitions.

To set up wiring between components

1. Do one of the following:

- On the EnterpriseView toolbar, click the **Page Wiring**  button.
- **To set up wiring from the source component**, on the top right side of the component, click the **Component Menu**  button, and then click **Wiring**. This option is only available when a component can function as a source component; if it only functions as a target component, then the Wiring option is disabled. The capability of a component as a source, target or both is defined within EnterpriseView and cannot be changed.

2. On the **Wiring** dialog box, do the following, and then click **OK**:

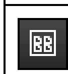
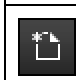
   a. If there is more than one potential source component, from the **Source Components** area, click the component that you want to set as the source. If you are setting up the wiring from the source component, then this area does not display.

   b. In the **Target Components** area, select the check boxes of all the target components that you wire to the source. To remove wiring, clear the relevant check boxes.

Dashboard Builder Toolbar

The Dashboard Builder toolbar enables you to create customized dashboards.

The following table describes the toolbar's functionality.

UI Element	Description
	Select a page from this drop-down list to open the page in your workspace. The list contains the dashboards that are defined in the Page Gallery. The list is narrowed when you start typing a page name in this box.
	**Refresh** Click to refresh the page.
	**Save or Save As** Click to save the current page to the Page Gallery. A dialog box enables you to name the page, give the page a description, and select a category for the page. The description appears as a tooltip for the page in the Page Gallery. For more information, see "Save Page" on page 11.
	**Page Gallery** Click to open the Page Gallery. The Page Gallery contains default pages, as well as pages you have saved. You can then edit page definitions, or open pages. For more information, see "Manage Pages" on page 12.
	**New Page** Click to create a new page. After opening a new page, you can configure its layout and add components. For more information, see "Create a Customized Dashboard Page" on page 9.

UI Element	Description
	**Edit Page Layout** Click to modify the layout of an existing page. Use the Layout tools in the top left corner of each layout to modify the layout areas. For more information, see "Edit Page Layout" on page 12. **Exit Editing** When you are done, click this button to stop editing.
	**Components** Click to open the Component Gallery, which contains default components, as well as components you have added. You can edit component definitions, or add components to a page. For more information, see "Manage Component Categories" on page 13.
	**Page Wiring** Click to define the wiring between components; this determines how components interact with one another. For more information, see "Set Up Wiring Between Components" on page 14.

Chapter 5

Manage SAP BusinessObjects Report Settings

The SAP BusinessObjects reports settings are configured during the installation of EnterpriseView.

> **Note:** If these settings are changed in SAP BusinessObjects, then you must update this information manually in EnterpriseView.

To update SAP BusinessObjects reports settings

1. Click **Administration > Configuration**.
2. In the **Configuration** module, in the left pane, click **SAP BusinessObjects > Report Settings**.
3. In the right pane, make the necessary changes to the Shared Secret parameter.

   > **Note:** The Shared Secret parameter is located in the Authentication > Enterprise area of SAP Business Objects.

4. Save and apply the configuration changes. For more information, see the *Save and Apply Configuration Changes* section as described in *HP EnterpriseView Deployment Guide*.

Chapter 6

Job Management

The EnterpriseView Job Management module is based on the Spring Batch framework. You can use the Job Management module to perform the following tasks:

- **Launch batch jobs manually**

  Generally, batch jobs are scheduled to run automatically via the EnterpriseView Configuration module. However, you can also launch jobs manually when required, for example, in order to re-run a job that failed or in order to test a job in a test environment. For more information, see "Launch Batch Jobs Manually" on page 20.

- **Troubleshoot batch jobs**

  You can inspect the details of each step that comprises the job in order to identify where it failed. For more information, see "Troubleshoot Batch Jobs" on page 20.

The following table includes all the batch jobs defined in EnterpriseView.

Batch Job	Description
CsvAssetSyncJob	CSV Asset Synchronization Job For more information, see the *About CSV Asset Synchronization Job* section in the *HP EnterpriseView Deployment Guide*
EsmAssetSyncJob	ArcSight ESM Asset Synchronization Job For more information, see the *About ArcSight ESM Asset Synchronization Job* section in the *HP EnterpriseView Deployment Guide*
EsmSecurityThreatImportJob	ArcSight ESM Security Threats Job For more information, see the *About ArcSight ESM Threats Job* section in the *HP EnterpriseView Deployment Guide*
UcmdbAssetSyncJob	UCMDB Asset Synchronization Job For more information, see the *About UCMDB Asset Synchronization Job* section in the *HP EnterpriseView Deployment Guide*
VulnerabilitiesImportJob	Vulnerability Import Job For more information, see the *About Import Vulnerability Job* section in the *HP EnterpriseView Deployment Guide*

Batch Job	Description
DictionaryInfoImportJob	Dictionary Information Import Job For more information, see the *About the Dictionary Information Import Job* section in the *HP EnterpriseView Deployment Guide*
ArchiveAuditLogDataJob	Archive Audit Log Job For more information, see "About Archive Audit Log Job" on page 25
ExtractDataToArchiveJob	Archive Trend Data Job For more information, see "Archive Trend Data" on page 23
RestoreIndexesJob	For more information, see "Restore Search Engine Indexes" on page 27

Launch Batch Jobs Manually

To launch batch jobs manually

1. In EnterpriseView click **Administration > Job Management**, and then, from the toolbar, click **Jobs**.
2. From the **Jobs Names Registered** table, click the job that you want to launch.
3. In the **Job Parameters** box, the timestamp that is displayed belongs to the last batch job that was run. Increment the timestamp by 1, and then click **Launch**.

   > **Note:** If the job is not scheduled or if this is the first time that you are running this job, then enter "**Key=n**", where n is a unique number.

   The job instance is displayed in the **Job Instances for Job** table with a **Started** status.
4. To stop the batch job before it is completed, in the **Job Instances for Job** table, identify the job instance that you want to stop, click the **Started** status in the **LastJob Execution** column, and then click **Stop**.
5. To view the progress of the batch job and the status of each of its steps, in the **Job Instances for Job** table, identify the job instance, and click the status in the **LastJob Execution** column. A table with the job steps is displayed on the bottom of the page.

Troubleshoot Batch Jobs

You can inspect the details of each step that comprises the job in order to identify where it failed.

To troubleshoot batch jobs

1. In EnterpriseView click **Administration > Job Management**, and then, from the toolbar, click **Executions**.
2. From the **Recent and Current Job Executions** table, identify the job that you want to inspect and click on the **Executions** link in the **ID** column.

   The **Details for Job Execution** page displays the following information:

   - Details on the job level.
   - A table that includes all the job steps and their statuses.
3. From the job steps table, identify the step with the **Failed** status, and in the **Status** column click the **Failed** link.

   The **Step Execution Progress** page displays detailed information on the step:

   - **History for Step Execution for Step**: Displays the history of the execution of this step across all job executions.
   - **Details for Step Execution**: Displays the meta data for this step, in addition to an extract of the stack trace from any exception that caused the failure of the step.

Chapter 7

Update the Vulnerability Dictionary

> **Note:** To update the vulnerability dictionary, contact your EnterpriseView sales representative.

The EnterpriseView labs regularly release vulnerability dictionary updates. For more information about the vulnerability dictionary, see the *About the Vulnerability Dictionary* section in *HP EnterpriseView User Guide*.

The Dictionary Information Import Job parses and loads the updates to EnterpriseView. For more information, see "About the Dictionary Information Import Job" below.

To update the vulnerability dictionary

1. Obtain the **DictionaryInfo.zip** file from your EnterpriseView sales representative and copy it to the following location:

   <EnterpriseView installation folder>\vm\import\dictionary

   > **Note:** Do not change the file name or content.

2. Run the **DictionaryInfoImportJob**, as described in "Launch Batch Jobs Manually" on page 20.

About the Dictionary Information Import Job

The Dictionary Information Import Job imports new and updated vulnerability data from files provided by the EnterpriseView labs into the EnterpriseView database, as follows:

1. The process extracts the **DictionaryInfo.zip** file.
2. The process checks the version of the package.
   - If the version of the package is lower than the version that exists in the EnterpriseView database, then no change is made in the database and the process proceeds to step 4.
   - If the version of the package is higher than the version that exists in the EnterpriseView database, then the process proceeds to the following step.
3. The process updates the vulnerability dictionary tables in the EnterpriseView database. The version of the vulnerability dictionary records is updated.
4. The **DictionaryInfo.zip** file is renamed to **DictionaryInfo<date>.zip.old**.

Chapter 8

Audit Log

The audit log allows you to track user initiated and automatic actions performed in EnterpriseView. You can view the audit log through the EnterpriseView user interface. The information presented in the log can be filtered according to different parameters, such as date and time, user name, or the page on which the action was performed. By default, the audit log records are sorted by date and time in descending order. You can sort the records according to any one of the parameters by clicking the parameter title.

Click the **Export to CSV File** button to export the audit log to a csv file. The information included in the file is based on the filter that you set.

The following table includes a description of the parameters that comprise the audit log.

Parameter	Description
Date and Time	The date and time on which the action occurred.
Module	The module in which the action occurred. These include: **Login**, **Policy and Compliance**, **Risk Modeling**, **Assets**, **Vulnerabilities**, **Settings**, and **Task Management**.
User Name	The EnterpriseView user name of the user that performed the action. If the action was preformed automatically, then the user name is empty.
Page	The page on which the user performed the action. For example, if the user logged on to EnterpriseView, then the page is Login.
Action	The action that the user performed.
Success	Indicates whether the action was successful or a failure, **Yes** or **No**.
Method	One of the following options: • **Manual**: the action was initiated by a user. For example, logging on to EnterpriseView. • **Automatic**: the action was initiated by the system. For example, when a vulnerability is automatically closed or reopened.
Description	Specific information about the action. For example, if a new policy was created, then the description would included the new policy name.

Chapter 9

Archive Data

You can archive the following data:

- Trend data. For more information, see "Archive Trend Data" below.
- Audit log. For more information, see "Archive the Audit Log" on next page.

Archive Trend Data

EnterpriseView dashboards include trend charts which are used to show a general pattern of change in data over time. Displaying data over time helps you understand performance and compare it to your organization's established objectives.

To support the trend charts, EnterpriseView archives data for all assets for the following measurements:

- Aggregated overall score
- Aggregated vulnerability score
- Number of open vulnerabilities
- Aggregated risk score
- Aggregated maturity score
- Aggregated compliance score

The corresponding trend charts for these measurements are displayed in the following dashboards:

Measurement	Trend Chart	Dashboard Name
Aggregated overall score	Asset Overall Score Over Time	Risk Register
Aggregated vulnerability score	Aggregated Vulnerability Score Over Time	Vulnerability Dashboard
Number of open vulnerabilities	Number of Open Vulnerabilities Over Time	Vulnerability Dashboard
Risk	Aggregated Risk Score Over Time	Risk Modeling Dashboard
Maturity	Maturity Score Over Time	Compliance Dashboard and Compliance by Policy Dashboard
Compliance	Compliance Score Over Time	Compliance Dashboard and Compliance by Policy Dashboard

You can configure EnterpriseView to archive trend data on a weekly basis, as described in "Schedule and Activate the Archive Trend Data Job" below. You can also archive trend data at any time by manually running the **ExtractDataToArchiveJob**. To run a job manually, see "Launch Batch Jobs Manually" on page 20. If the job is run more than once a day, only the scores from the last job are reflected in the trend chart.

> **Note:** When you complete an audit process and you perform a clear assessment, the aggregated maturity score and the aggregated compliance score are archived for all assets for the policies you cleared. The trend chart displays an indication that the snapshot is due to clear assessment.

Schedule and Activate the Archive Trend Data Job

To schedule and activate the job

1. Click **Administration > Configuration**.
2. In the left pane, click **Archive > Schedule Job**.
3. In the right pane, do the following:
   - Select the **Activate Job** check box.
   - From the **Day** list, select the day of the week on which you want to run the job.
   - From the **Hour** list, select the hour in the day on which to run the job.

   > **Note:** During the time that the job runs, you cannot make any changes in the system. Make sure to consider this when selecting the time of day.
4. Save and apply the configuration changes. For more information, see the *Save and Apply Configuration Changes* section as described in *HP EnterpriseView Deployment Guide*.

   The job is activated and will run according to the schedule that you have set.

Archive the Audit Log

You can archive the EnterpriseView audit log in order to keep it in a manageable size. You can either schedule the Archive Audit Log Job to run at a certain time or you can run it manually through the Job Management module. For information on scheduling the job, see "Schedule and Activate the Archive Audit Log Job" on next page. For information on running the job manually, see "Launch Batch Jobs Manually" on page 20.

The archived data is kept in EnterpriseView database in the **RC_EV_AUDIT_LOG_ARCHIVE** table. You can choose to delete the data in the archive table. For more information, see "Configure Archive Audit Log Job Settings" on next page.

For more information on the Archive Audit Log Job, see "About Archive Audit Log Job" on next page.

About Archive Audit Log Job

The Archive Audit Log job periodically archives the audit log as follows:

1. Data from the audit log table (RC_EV_AUDIT_LOG) is extracted and written to the audit log archive table (RC_EV_AUDIT_LOG_ARCHIVE). You can determine the scope of data in the Configuration module. For more information, see "Configure Archive Audit Log Job Settings" below.
2. The archived data is deleted from the audit log table (RC_EV_AUDIT_LOG).
3. Depending on how you configured the job settings, data is deleted from the archive table (RC_EV_AUDIT_LOG_ARCHIVE).

Configure Archive Audit Log Job Settings

You can configure the scope of the data that you want to archive.

To configure the job settings

1. Click **Administration > Configuration**.
2. In the left pane, click **Audit Log > Archiving Settings**.
3. To archive data, select one of the following options:
   - **Archive All**: Select this check box if you want to archive the entire audit log table. This means that the entire audit log table will be deleted after the archiving is complete.
   - **Archive Data Older Than (Days)**: Enter the number of days for which you want to save data in the audit log table. Older data will be archived.

   Note: If you selected **Archive All** then it overrides any value entered in **Archive Data Older Than (Days)**. If neither of these options are selected, then the audit log will not be archived.

4. To delete archived data, select one of the following options:
   - **Delete All Archived Data**: Select this check box if you want to delete the entire archive table.
   - **Delete Data Older Than (Days)**: Enter the number of days for which you want to save data in the archive table. Older data will be deleted permanently from EnterpriseView.

   Note: If you select **Delete All Archived Data** then it overrides any value entered in **Delete Data Older Than (Days)**. If neither of these options are selected, then the archive table will not be deleted.

5. Save and apply the configuration changes. For more information, see the *Save and Apply Configuration Changes* section as described in *HP EnterpriseView Deployment Guide*.

Schedule and Activate the Archive Audit Log Job

After you define the job settings, you can schedule and activate the Archive Audit Log job.

For more information on the flow of the job, see "About Archive Audit Log Job" on previous page.

To schedule and activate the job

1. Click **Administration > Configuration**.
2. In the left pane, click **Audit Log > Archiving Settings**.
3. In the right pane, do the following:
   - Select the **Activate Job** check box.
   - **Job Schedule**: Enter a Cron expression.

     For example, to run the job once every hour, every day, enter **0 0 0/1 * * ?**

     For more information , see the *Learn About Cron Expressions* section in the *HP EnterpriseView Deployment Guide*.
4. Save and apply the configuration changes. For more information, see the *Save and Apply Configuration Changes* section as described in *HP EnterpriseView Deployment Guide*.

   The job is activated and will run according to the schedule that you have set.

Chapter 10

Restore Search Engine Indexes

The search engine used in the vulnerability dictionary is based on indexing. EnterpriseView includes an index restoration job in case the index files become corrupted or in case the entire file system becomes corrupted. If the search functionality in the vulnerability dictionary does not work properly, then it might indicate that the index files are corrupted. In this case, it is recommended to run the **RestoreIndexesJob**.

The job retrieves vulnerability data from the EnterpriseView database, creates indexes, and writes them to the relevant files in EnterpriseView.

To restore search engine indexes

1. Stop the EnterpriseView service.
2. Delete the following folder:

   <EnterpriseView Installation Folder>/Indices

3. Start the EnterpriseView service.
4. Run the **RestoreIndexesJob** from the Job Management module, as described in "Launch Batch Jobs Manually" on page 20.