



Service Manager

powered by HEAT

Database Configuration Guide

2017.2.1

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About this Guide

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Using the Ivanti Service Manager Configuration Database (ConfigDB)

Use the Ivanti Service Manager configuration database (ConfigDB) for the following:

- To manage different instances (such as production, staging, and UAT) of tenants.
- To update your environment. The information in the ConfigDB is originally populated by the System Configuration Wizard, which is used when installing Ivanti Service Manager.



This is the master configuration database for your Ivanti Service Manager system. Do not make any changes here, except in the few areas described in *Workspaces that Can Be Used*. Making unauthorized changes to the ConfigDB can lead to disastrous results and may be unrecoverable. Use the ConfigDB with **extreme** caution.

Intended Audience

The *Configuration Database Guide for Ivanti Service Manager Release 2017.2* is intended for advanced on-premise Ivanti Service Manager administrators and Ivanti Software personnel.

Document Organization

This guide lists the workspaces in the ConfigDB and what, if any, tasks can be performed. This document contains the following sections:

- Information about logging in. See "About Logging into the Configuration Database" on page 6.
- Workspaces that are also available in the Ivanti Service Manager Service Desk Console or the Ivanti Service Manager Configuration Console. See "Workspaces that Already Exist" on page 7.
- Workspaces that are for internal use only. See "Internal Use Only Workspaces" on page 8.

- Workspaces that are populated by the System Configuration Wizard. Do not make any changes to these workspaces. See "Workspaces Populated by the System Configuration Wizard" on page 9.
- Workspaces where you may make changes. See "Workspaces that Can Be Used" on page 10.

Related Documentation

Ivanti Service Manager has online help available within the application.

Additional documentation is available through

- The [Ivanti community](#) website. You may need to request user access if you cannot log in.

Or through

- The [Ivanti Product Documentation](#) website. Click the Service Manager tile to see a list of the documents available.

How to Contact Us

To contact us about the documentation, or if you have any other questions or issues about Ivanti Service Manager, contact Ivanti Global Support services by logging an incident via Self Service at: <https://www.ivanti.com/support/ivanti-support>.

About Logging into the Configuration Database

To use the Ivanti Service Manager configuration database (called ConfigDB), you must log in first. Only administrators can log into the ConfigDB.

By default, the system displays a drop-down menu allowing you to choose either ConfigDB (the Ivanti Service Manager configuration database) or ISM (the Ivanti Service Manager application database).

Logging in to the ConfigDB



The screenshot shows a login interface with the following elements:

- A red logo with the text "HEAT" in the top left corner.
- A "User Name" text input field.
- A "Password" text input field.
- An "Application" dropdown menu with a blue border, currently displaying "ConfigDB". The dropdown list is open, showing "ConfigDB" (highlighted in blue) and "HEATSM".
- A red "Login" button.
- A blue link labeled "Forgot password?".

If you do not see the **Application** drop-down menu, you must configure Ivanti Service Manager to show it. For instructions on doing this, see the "Logging into Ivanti Service Manager" section of the *Installation and Deployment Guide for Ivanti Service Manager*.

Workspaces that Already Exist

The following workspaces found in the ConfigDB also exist in the Ivanti Service Manager Service Desk Console or the Ivanti Service Manager Configuration Console. Therefore, they are not described in this document. For information about these workspaces, see the Ivanti Service Manager online help within the application.

- Employee
- All Logs
- Logging Configuration
- Notification
- Patch Log
- Encryption Key
- FRS Application Update Notes
- Ivanti Release Package
- Ivanti Release Project
- Ivanti Transaction Detail
- Ivanti Transaction Set
- Logon History
- Public Key
- Schedule Entry
- WS Mapping
- WS Proxy

Internal Use Only Workspaces

The following workspaces in the ConfigDB contain information that you can view, but that you should never change. These workspaces are only used by Ivanti for internal system use.

Do not change the values in any of these workspaces! Changing any values can lead to system degradation.

- CMDB Import History
- Feature Management
- IM Client Agent Version
- Installer Types
- Logging Server Configuration
- Modules
- Remote Host Blocked List
- Service Names
- User Feature Settings

Workspaces Populated by the System Configuration Wizard

The following workspaces found in the ConfigDB contain information that was populated based on information entered in the System Configuration Wizard when Ivanti Service Manager was installed.

We recommend that you do not change any of the values in these workspaces.

For complete information about the System Configuration Wizard and the Ivanti Service Manager installation, see the *Installation and Deployment Guide for Ivanti Service Manager Release 2017.2*.

- Database Servers
- Log Operations Locations
- Integration Services Configuration
- Metrics Server
- Report Server
- Survey Information
- Trusted IP Addresses
- Web Servers

Workspaces that Can Be Used

There are very few workspaces in the ConfigDB that can be used by administrators. See the following topics for information:

- "Configuring the Message Queue" below
- "Configuring the Message Queue Handler" below
- "Configuring Email" on the next page
- "Viewing All Logs" on page 12
- "Working With Customer Contacts" on page 13
- "Working With Tenants" on page 15
- "Configuring Manual Load Partitioning" on page 19

Configuring the Message Queue

Use the **Message Queue Configuration** workspace to create and configure a message queue.

Follow these steps:

1. Log in to the ConfigDB.
2. From the workspace selector bar, select **Message Queue Configuration**. The system displays the **Message Queue Configuration** workspace.
3. Enter information into the fields.

Parameter	Description
Polling Interval (sec)	Specifies how often to check the message queue. The default value is 120.
Processor Threads	Specifies the number of threads. The value depends on the specifications (such as memory and CPU) of your system. The default value is 250.
Metadata Refresh Interval (min)	Specifies the interval for which to refresh the metadata pertaining to the tenant, which is the amount of time for which to retain the cache. After this amount of time, the system purges the cache and reloads it. The default value is 10.

4. Click **Save**.

Configuring the Message Queue Handler

Use the **Message Queue Handler** workspace to configure the message queue handler.

Follow these steps:

1. Log in to the ConfigDB.

2. From the workspace selector bar, select **Message Queue Handler**. The system displays the **Message Queue Handler** workspace.
3. Enter information into the fields.

Parameter	Description
Name	Name of the message queue handler web service.
Endpoint	The URL of the message queue handler web service to which queued tasks are dispatched. An example is http://IP_address/IntegrationService.svc .
Dispatch Method	The name of the web method that is implemented as part of the handler web service (which the message queue invokes to dispatch tasks). For example, the Ivanti Service Manager XSLT email handler implements a web method called HandleMessage. NOTE: The name of the dispatch web method is case sensitive.
Batch Size	The maximum number of tasks that the message queue can dispatch to a message queue handler.
Active	Specifies if the message queue handler is on or off.
Priority	Specifies the order of this handler, in relation to any other handlers that are defined.
Process Timeout Interval (minutes)	Amount of time to wait for a response from the message queue handler before logging an error or before retrying, if you have not exceeded the number of attempts specified by the Max number of attempts parameter.
Include Data with Dispatch	Specifies whether to include the data when this dispatch web method is called. If you do not check this option, the message queue handler must call the dispatch web method to get the data.
Max number of Attempts	The maximum number of times to resend the data before logging an error.
Archive on Completion	Specifies whether to archive the message queue journal, which contains the tasks that the message queue handler has processed. Use this information for troubleshooting purposes. Enabled by default.
Purge Archive after (days)	Set to 30 days by default. The amount of days after which the archive is purged.
Description	A description of the message queue handler.

4. Click **Save**.

Configuring Email

Use the **Email Configuration** workspace to configure the inboxes for email.

Follow these steps:

1. Log in to the ConfigDB.
2. From the workspace selector bar, select **Email Configuration**. The system displays the **Service Provider Email Configuration** workspace.
3. Enter information into the fields.

Field	Description
Message Queue Handler Name	The name of the message queue handler to use. This must be the same name entered in the Name field in the Message Queue Handler workspace. See "Configuring the Message Queue Handler" on page 10.
Mailbox Poll Interval	The amount of time, in seconds, after which email configuration changes take affect.

4. Click **Save**.

Viewing All Logs

If there are any problems with the ConfigDB, such as email issues or workflow errors, they are reported in the logs. Review the logs to determine the underlying issue and to help resolve it.

- "Setting the Log Level" below
- "Viewing the Logs" below

Setting the Log Level

You can set the level of log to see by going to the **Logging Configuration** workspace. For information about using the **Logging Configuration** workspace, see the Ivanti Service Manager online help.

Viewing the Logs

Follow these steps to view all of the logs associated with the ConfigDB:

1. Log in to the ConfigDB.
2. From the workspace selector bar, select **All Logs**. The system displays the **LogsAll** workspace with the following information:

Field	Description
Log Entry Id	A unique ID for this log entry.
Log Time	The time at which the log entry was originally created on the server.
Log DB Time	The time when the log was uploaded into the database.

Field	Description
Client IP Address	The IP address of the service that generated the log, such as the workflow server.
SubSystem Id	The subsystem of the service that generated the log. (Each module has predefined subsystems. For example, for the email server, polling is a subsystem.)
Login Id	The login ID for the user who experienced the log event.
Tenant Id	The tenant instance that is experiencing the log event.
Error Code	The category of the error. An example is "trigger not found".
Current Role	The role assigned to the user if the error is generated by a user. If the error is generated by the system, this field is empty.
Host Name	The machine that is reporting the error.
Thread Name	Internal thread ID. Not applicable.

3. Double-click any log entry to view the log details.
4. To refresh the data, click **Refresh**.

Working With Customer Contacts

This section contains the following topics:

- "About this Workspace" below
- "Viewing Customer Contacts" on the next page
- "Adding a Customer Contact" on the next page
- "Editing a Customer Contact" on the next page
- "Deleting a Customer Contact" on the next page

About this Workspace



This workspace is for deployments with multi-tenant configurations. It is not applicable for on-premise customers.

You can add, edit, or delete a primary contact for a particular tenant. This is the person you contact for all communications regarding the particular tenant.

This information is also listed in the **Account Information** workspace in the Ivanti Service Manager Configuration Console.

Viewing Customer Contacts

Follow these steps to view information associated with customer contacts:

1. Log in to the ConfigDB.
2. From the workspace selector bar, select **Customer Contacts**. The system displays the **Contacts** workspace with the following information:

Field	Description
Login ID	The login ID for the customer contact.
Full Name	The full name of the customer contact.
Primary Email	The primary email address for the customer contact.
Primary Phone	The primary phone number for the customer contact.

3. Double-click any entry to view the details.
4. To refresh the data, click the refresh icon.

Adding a Customer Contact

1. Log in to the ConfigDB.
2. From the workspace selector bar, select **Customer Contacts**. The system displays the **Contacts** workspace.
3. Click **New Contacts**. The system displays the **Contacts** page.
4. Enter information into the fields.
5. Click **Save**.

Editing a Customer Contact

1. Log in to the ConfigDB.
2. From the workspace selector bar, select **Customer Contacts**. The system displays the **Contacts** workspace.
3. Double-click the entry to edit.
4. Change the entry.
5. Click **Save**.

Deleting a Customer Contact

1. Log in to the ConfigDB.
2. From the workspace selector bar, select **Customer Contacts**. The system displays the **Contacts** workspace.

3. Highlight the entry to delete.
4. If there are dependencies on other items, the system display a confirmation message. Click **Continue**.

Working With Tenants

- "About the Tenants Workspace" below
- "Resetting the Cache for a Tenant" on the next page
- "Adding a Certificate to a Tenant" on the next page
- "Capturing Discovery Messages for Debugging" on the next page
- "Configuring Attachment Options" on page 17
- "Setting Production Metadata to Read-Only" on page 17
- "Setting the Login URL" on page 17
- "Setting the Alternate Login URL (Vanity URL) for an MSP" on page 18
- "Adding a Remote Control License" on page 18

About the Tenants Workspace



The information on this page is populated by the System Configuration Wizard.

Although there is a lot of information in this workspace, you should only do the following tasks from within this workspace:

- Reset the cache for a tenant. See "Resetting the Cache for a Tenant" on the next page.
- Add a certificate. If you want to use SAML authentication, you must upload a certificate and password so that end users can download it. See "Adding a Certificate to a Tenant" on the next page.
- Capture audit files from ISM Discovery, to help with troubleshooting. See "Capturing Discovery Messages for Debugging" on the next page.
- Configure how users attach files. See "Configuring Attachment Options" on page 17.
- Set metadata to read-only. See "Setting Production Metadata to Read-Only" on page 17.
- Set the login URL. See "Setting the Login URL" on page 17.

Resetting the Cache for a Tenant

Ivanti Service Manager caches information about each tenant in the ConfigDB. Because of this, changes to the tenant, such as updating the status, database information, and so on, are not immediately reflected in the corresponding tenant. This can lead to situations where Ivanti Service Manager allows a user to log into a tenant, even though the status of the corresponding tenant in the ConfigDB is set to closed.

To manually reset the cache for a specific tenant, do the following:

1. Log in to the ConfigDB.
2. From the workspace selector bar, select **Tenants**. The system displays the **Tenants** workspace.
3. Highlight the tenant to reset the cache for.
4. Click **Reset Tenant Cache**.

Adding a Certificate to a Tenant



If your implementation includes multiple tenants, the certificate should be for the domain and not the specific tenant. For example, the certificate for Cloud tenants is for *.saasit.com, not for a specific tenant such as *mytenant.saasit.com*.

1. Log in to the ConfigDB.
2. From the workspace selector bar, select **Tenants**. The system displays the **Tenants** workspace.
3. Double-click the tenant for which to add a certificate.
4. Click **Add Certificate**.
5. Navigate to the certificate location. Highlight it and click **Open**.
6. Enter the password for the certificate in the **Certificate Password** field.
7. Click **Save**.

Capturing Discovery Messages for Debugging

Perform the following procedure if you are using Discovery and you need to capture the audit files sent to the server from the Discovery client agents. After you capture the audit files, you can review them in a debug environment to find out more details about the problem. The logging can be very long, so be careful about using this feature. For more information, see the Ivanti Service Manager online help.

1. Log in to the ConfigDB.
2. From the workspace selector bar, select **Tenants**. The system displays the **Tenants** workspace.
3. Double-click the tenant to configure logging for.
4. Check **Log Failed IM Message**.

5. Click **Save**.

Configuring Attachment Options

Perform the following procedure to configure how attachments are saved. You may need to change the format for storing files if users regularly store very large files, such as system log files. After you configure this, when a user saves an attachment to a record, the attachment is stored in the location that you specified here. For information about saving attachments as a file stream, see <https://msdn.microsoft.com/en-us/library/gg471497.aspx>.

We recommend that for system data, such as icons and images, you select **Database** for the **Attachment Save Type** field.

1. Log in to the ConfigDB.
2. From the workspace selector bar, select **Tenants**. The system displays the **Tenants** workspace.
3. Double-click the tenant for which to configure attachment options.
4. For the **Attachment Save Type** field, select a type: **Database**, **FILESTREAM**, or **File system**.
5. For the **Attachment Path** field, enter the default path where attachments are saved.
6. Click **Save**.

Setting Production Metadata to Read-Only

If a user makes a change to the metadata in the production instance of the tenant, such as when configuring a workflow for a request offering, but does not make the same change in the UAT or staging instance of the tenant and then pushes the data from the UAT or staging instance of the tenant to the production instance of the tenant, the data becomes corrupt and the workflow fails.

To avoid this, set the metadata on the production instance of the tenant to read-only. Follow these steps:

1. Log in to the ConfigDB.
2. From the workspace selector bar, select **Tenants**. The system displays the **Tenants** workspace.
3. Double-click the tenant for which to set the production metadata to read-only.
4. Check **Is Production Metadata Read-only**.
5. Click **Save**.

If a user tries to edit the workflow for a request offering, the system displays a message stating that the production metadata is read only and cannot be edited. See "Working with Request Offerings" in the Ivanti Service Manager online help for more information.

Setting the Login URL

Set the login URL in the following scenarios:

- When configuring Ivanti Service Manager Active Directory authentication using Windows Integrated Security (WIS). This feature allows users to access Ivanti Service Manager without entering their user name and password. This procedure is only valid for the on-premise version of Ivanti Service Manager.
- When configuring the Ivanti Service Manager on-premise URL for mobile users.

Follow these steps:

1. Log in to the ConfigDB.
2. From the workspace selector bar, select **Tenants**. The system displays the **Tenants** workspace.
3. Double-click the tenant for which to set the login URL.
4. In the **Login Url** field, enter the URL where users go to log in.
5. Click **Save**.

Setting the Alternate Login URL (Vanity URL) for an MSP

Besides setting the login URL as described above, you can also specify an alternate login URL, also known as a vanity URL, for a Managed Service Provider (MSP).

Follow these steps:

1. Log in to the ConfigDB.
2. From the workspace selector bar, select **Tenants**. The system displays the **Tenants** workspace.
3. Double-click the tenant for which to set the alternate login URL (vanity URL).
4. At the bottom, click the **Alternate Login URL** tab.
5. Click **New TenantUrlAlias**. The system displays the **New TenantUrlAlias** dialog box.
6. In the **Url** field, enter the alternate login URL (vanity URL).
7. Click **Save**.

Adding a Remote Control License

If your implementation is using the remote control feature, you must purchase and upload a remote control license. You can upload the license while installing the system. To upload the license after the initial installation, follow these steps:

1. Log in to the ConfigDB.
2. From the workspace selector bar, select **Tenants**. The system displays the **Tenants** workspace.
3. Double-click the tenant to add the remote control license to.
4. At the bottom, click the **Remote Control** tab.
5. Click **Import License File**. The system displays the **Upload Remote Control License** dialog box.
6. Do the following:

- a. Click the select icon.
 - b. Navigate to the remote control license file.
 - c. Click **Open**.
7. Click **Save** to close the dialog box.
8. At the confirmation message, click **OK**. The system automatically populates the other remote control fields based on the information in the license file.
9. Click **Save**.

Configuring Manual Load Partitioning

- "About Manual Load Partitioning" below
- "Configuring the Workflow Service Configuration File" on the next page
- "Assigning Tenants to the Workflow or Email Service" on page 21
- "Viewing the Results of the Manual Load Partitioning" on page 21

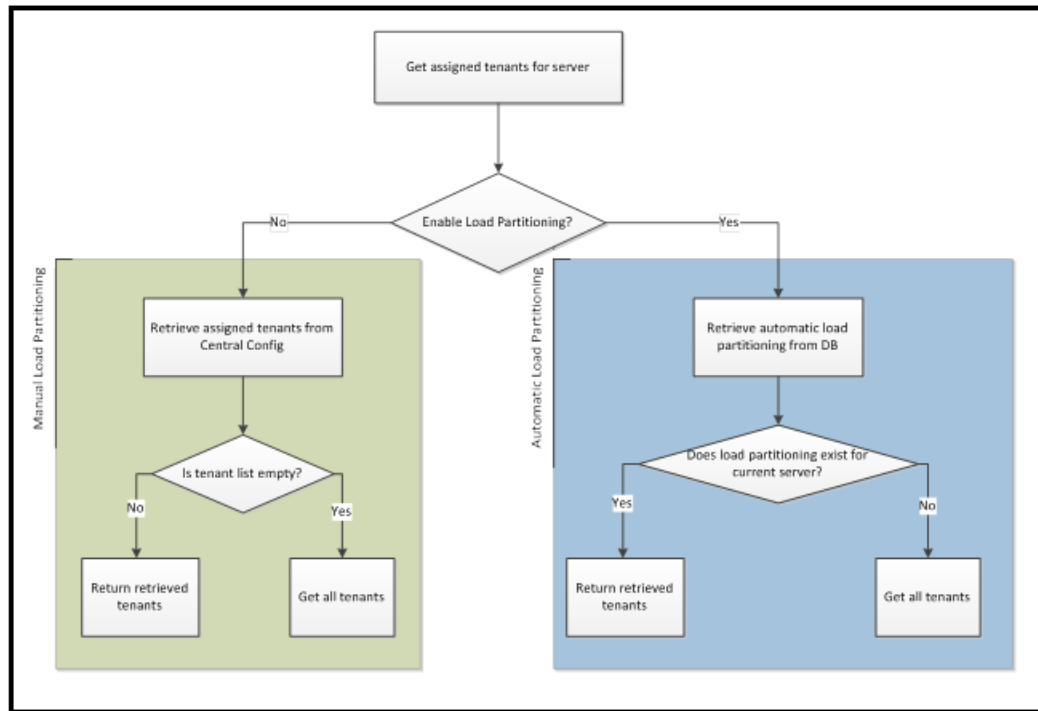
About Manual Load Partitioning

Use the **Service Server** workspace to configure the manual load partitioning feature. The manual load partitioning feature allows you to allocate the load between workflow or email service instances based on your knowledge of the tenant load and server capacity.

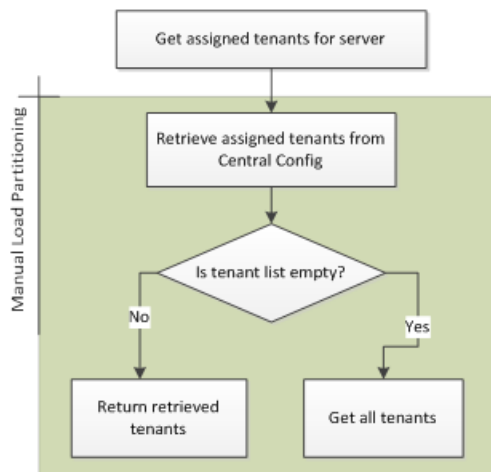
If you do not use the manual load partitioning feature, the workflow or email service load balancing automatically balances the tenants among the participating workflow or email service instances. This guarantees that the tenants are balanced evenly among the servers. However, this creates race conditions among the service instances when starting up and subscribing to events, which can lead to workflow or email subscription failure and deadlock issues.

When you start up the services, the workflow and email services retrieve the list of assigned tenants. The services only process the tasks for the assigned tenants. The system updates the list of assigned tenants in predefined time intervals. If the list of tenants is empty, the system falls back to the default behavior of processing all of the tenants.

Workflow Load Balancing Flowchart



Email Load Balancing Flowchart



Configuring the Workflow Service Configuration File

For the email service, all load partitioning is done manually.

For the workflow service, you can select either manual or automatic (default). To select manual load partitioning for the workflow service, do the following:

1. Navigate to the workflow binary folder and open the file called **WorkflowApp.config** with a text editor.

2. Find the key called **EnableLoadPartitioning** and set it to **false**.
3. Save the file.

Assigning Tenants to the Workflow or Email Service

When you configure workflow or email service servers, ensure that at least one server is defined as the "catch all" server. A "catch all" server manages all of the live tenants, even if it does not have any tenants associated with it. Each host should have at least one "catch all" server. This server processes workflow and email events for all tenants.

For each server, you must enable either the email service, the workflow service, or both. If you do not enable a service on the server but the service is running, the service gets an empty tenant list and it runs as a "catch all" server.

If a service instance crashes or stops, the system deletes the partition details from the database and no other instance will pick these tenants except for the "catch all" server.

1. Log in to the ConfigDB.
2. From the workspace selector bar, click **More....**
3. Select **Service Server**. The system displays the **Service Server** workspace.
4. Click **New Service Server**.
5. Enter the host name in the **Host Name** field.
6. If the email service will run on this server, check **Is Email Service Enabled**.
7. If the workflow service will run on this server, check **Is Workflow Service Enabled**.
8. If the server is a catch all server, check **Is Catch All**.
9. If the server is not a catch all server, do the following:
 - a. Click the **Tenants** tab.
 - b. Click **Link**.
 - c. Highlight a tenant from the list and click **Select**.
10. Click **Save**.

Viewing the Results of the Manual Load Partitioning

You can view the results of the manual load partitioning in one of two ways:

- Viewing the INFO log for a service. See "Setting the Log Level for the Workflow or Email Service" on the next page and "Viewing the Workflow or Email Manual Load Partitioning" on the next page.
- Viewing a report of the load partitioning through Microsoft SQL. See "Viewing a Report of the Manual Load Partitioning" on page 23.

Setting the Log Level for the Workflow or Email Service

To configure the logs, do the following:

1. Log in to the ConfigDB.
2. Open the **Logging Configuration** workspace.
3. Open the **WorkflowService** service.
4. Change the value of the **Log Level** field to **INFO**.
5. Open the **EmailService** service.
6. Change the value of the **Log Level** field to **INFO**.
7. Click **Save**.

Viewing the Workflow or Email Manual Load Partitioning

After you configure the logs, to view the results, do the following:

1. Log into the ConfigDB.
2. Open the **Logs** workspace.
3. Use a saved search to show all logs with a service name of **WorkflowService** or a service name of **EmailService**.

Logs Saved Search

The screenshot shows the HEAT application interface. At the top, there are navigation tabs: Tenants, Modules, Trusted Host Addresses, Web Servers, DB Servers, Metrics Server, and More... The main area displays a search results page for logs. The search criteria are: where Logs ServiceName (Service Name) Equal to WorkflowService, or Logs ServiceName (Service Name) Equal to EmailService. The results table shows log entries for WorkflowService and EmailService. A message box at the bottom indicates the current assigned tenant list.

Log Entry Id	Log Time	Log DB Time	Cr.	Sub System Id	Log	Tenant Id	Error	Service Name	Current	Host Name	Thread Name	Log Severity
ab4196ff1c744ef08f3f9da5e90ead5	5/3/2016 12:16 PM	5/3/2016 12:17 PM		EmailService	SystemLog			WorkflowService		DEV-APP-SVC1	9	INFO
35556556c180461a98c3f98bce0e039	5/3/2016 12:16 PM	5/3/2016 12:17 PM		EmailService	SystemLog			WorkflowService		DEV-APP-SVC1	9	INFO
5da03e9c1a8b482a82e7dcb261f894c	5/3/2016 12:16 PM	5/3/2016 12:17 PM		EmailService	SystemLog			WorkflowService		DEV-APP-SVC1	9	INFO
3954454967934ce198c125017ba77a1	5/3/2016 12:16 PM	5/3/2016 12:17 PM		EmailService	SystemLog			WorkflowService		DEV-APP-SVC1	9	INFO
4efc10074255461a8816af985acaa634	5/3/2016 12:16 PM	5/3/2016 12:17 PM		EmailService	SystemLog			WorkflowService		DEV-APP-SVC1	9	INFO
a220f84c9fee40f899dd9436f6088411	5/3/2016 12:16 PM	5/3/2016 12:17 PM		EmailService	SystemLog			WorkflowService		DEV-APP-SVC1	9	INFO
4ef8e55590a437c8e37e14b68ed573d	5/3/2016 12:16 PM	5/3/2016 12:17 PM		EmailService	SystemLog			WorkflowService		DEV-APP-SVC1	9	INFO
3a43fc54212e47f89432177c5b1733fa	5/3/2016 12:16 PM	5/3/2016 12:17 PM		EmailService	SystemLog			WorkflowService		DEV-APP-SVC1	9	INFO
726fab8c78aab4c6a9d6681792f1d939a	5/3/2016 12:15 PM	5/3/2016 12:16 PM		EmailService	SystemLog			WorkflowService		DEV-APP-SVC2	9	INFO

Message
Current assigned tenant list: frs-dev-logs saasitdev.com, cfg-frs-dev saasitdev.com, frs-dev-demo1 saasitdev.com, frs-dev-demo2 saasitdev.com, frs-dev-demo3 saasitdev.com, frs-dev-tenant6 saasitdev.com, frs-dev-tenant5 saasitdev.com, frs-dev-tenant7 saasitdev.com, frs-dev-tenant4 saasitdev.com, frs-dev-tenant12 saasitdev.com, frs-dev-tenant8 saasitdev.com, frs-dev-tenant9 saasitdev.com, frs-dev-tenant10 saasitdev.com, frs-dev-tenant11 saasitdev.com

4. Verify that the tenants listed under the current assigned tenant list match the linked tenants for this server.

Viewing a Report of the Manual Load Partitioning

The workflow or email service retrieves the assigned tenants and updates the **Frs_ops_workflow_heart_beat** and **Frs_ops_workflow_partition** tables in the ConfigDB.

Before you begin, start the workflow or email service. Keep the current session.

Run the following query in Microsoft SQL on the ConfigDB to see the details of the services that are assigned to each tenant:

```
SELECT ServiceType, HostName, InstanceNumber, TenantId
FROM Frs_ops_workflow_heart_beat heartbeat
JOIN Frs_ops_workflow_partition partition
ON heartbeat.ServiceId = partition.ServiceId
```

The following is an example of the partitioning details:

Service Type	Host Name	Instance Number	Tenant ID
Workflow Engine	CA-L02552	1	ConfigDB, ITSM_7_Daily_Build
Email Engine	CA-L02552	1	ConfigDB, ITSM_7_Daily_Build