What is a REST API?

A **REST API (Representational State Transfer Application Programming Interface)** is a web-based interface that allows applications to communicate over HTTP using standard methods like GET, POST, PUT, and DELETE. REST APIs are stateless, meaning each request from a client contains all the information needed to process the request, without relying on stored context on the server.

In the context of **Informatica Intelligent Cloud Services (IICS)**, REST APIs enable programmatic access to various services, allowing users to perform operations such as managing connections, tasks, and retrieving metadata without using the IICS user interface .

🔧 Using Informatica Cloud REST API

To interact with IICS through REST APIs, follow these general steps:

1. **Authentication**: Obtain a session ID by sending a POST request to the login endpoint with valid credentials. This session ID is used in subsequent API calls to authenticate requests.
2. **Base URL**: Use the `serverUrl` value returned from the login response as the base URL for all API requests.
3. **Headers**: Include necessary headers in your requests:
    - `Content-Type`: Specifies the media type of the request body (e.g., `application/json`).
    - `Accept`: Specifies the expected media type of the response.
    - `icSessionId`: The session ID obtained from the login response.
4. **Making Requests**: Use appropriate HTTP methods to perform operations:
    - **GET**: Retrieve information (e.g., list of connections).
    - **POST**: Create new resources (e.g., create a new task).
    - **PUT**: Update existing resources.
    - **DELETE**: Remove resources.
5. **Handling Responses**: Check the HTTP status codes and response bodies to determine the success or failure of API calls. Successful responses typically return a 200-series status code, while errors return 400 or 500-series codes with error messages .

🛠️ Key Features of Informatica Cloud REST API

- **Comprehensive Access**: Perform a wide range of operations, including managing connections, tasks, schedules, and retrieving logs and metadata.

- **Integration Capabilities**: Integrate IICS with external applications, automate workflows, and build custom solutions tailored to specific business needs.
- **Support for Standards**: Utilize standard protocols and data formats like HTTP, JSON, and XML, facilitating ease of integration and interoperability.
- **Security**: Employs Transport Layer Security (TLS) for secure communication, ensuring data privacy and integrity .

IICS REST API Login and Base URL Formats

🔐 Login Process

- **Initiating a Session**: Use the `login` resource to start a REST API session. The login response includes a session ID and a base URL, which are essential for subsequent API calls. Informatica Online Help+11Informatica Docs+11Informatica Docs+11
- **Session ID**:
  - **Version 2**: `icSessionId`
  - **Version 3**: `sessionId`
  - Include the session ID in the headers of all requests during the session. Informatica Online Help+15Informatica Online Help+15Informatica Online Help+15Informatica DocsInformatica Docs
- **Session Expiry**: Sessions expire after 30 minutes of inactivity. It's recommended to log out explicitly before the session ends. Informatica Online Help+5Informatica Online Help+5Informatica Online Help+5

🌐 Base URL Format

- **Version 2**: The base URL is provided in the `serverUrl` attribute of the login response. Informatica Docs+9Informatica Online Help+9Informatica Online Help+9
- **Version 3**: The base URL is provided in the `baseApiUrl` attribute of the login response.
- **Structure**: The base URL includes the POD (Point of Deployment) name and region, followed by the Informatica domain. For example:Informatica Docs

```
php-template
CopyEdit
  https://<pod_name>.<region>.informaticacloud.com/saas
```

Replace `<pod_name>` and `<region>` with the appropriate values for your organization. Informatica Docs+1Informatica Docs+1

📓 REST API Guidelines

📄 Request and Response Formats

- **Content-Type and Accept Headers**: Specify the format of the request and response using the `Content-Type` and `Accept` headers. If not specified, JSON is used by default. Informatica Docs
- **Supported Formats**:
  - **Version 2**: Supports both JSON and XML.
  - **Version 3**: Supports JSON only.

🔄 Session Management

- **Session ID Usage**: Include the session ID in the headers of all requests, except for the `login` and `register` resources. Informatica Docs+5Informatica Online Help+5Informatica Docs+5
- **Session Expiry**: A REST API session expires after 30 minutes of inactivity. It's best practice to log out before the session expires. Informatica Docs+5Informatica Docs+5Informatica Online Help+5

Overview of Informatica Platform REST API Versions

✓✓ Version 2 (v2)

- **Format Support**: Supports both JSON and XML formats.
- **Base URL**: Utilizes the `serverUrl` from the login response as the base URL.
- **Resource URI Structure**: Follows the pattern `/api/v2/<resource>`.
- **Use Cases**: Applicable across multiple services within Informatica Intelligent Cloud Services (IICS).Informatica Docs+16Informatica Docs+16Informatica Docs+16

✓✓ Version 3 (v3)

- **Format Support**: Supports only JSON format.
- **Base URL**: Uses the `baseApiUrl` obtained from the login response.
- **Resource URI Structure**: Follows the pattern `/public/core/v3/<resource>`.
- **Enhancements**: Provides improved support for user groups, roles, and source control operations.Informatica Online Help+1Informatica Docs+1Informatica Docs+7Informatica Docs+7Informatica Docs+7Informatica Docs+2Informatica Docs+2Informatica Docs+2Informatica Docs

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🔍 Retrieving Runtime Environment Details

Using Version 2 API

- **List All Runtime Environments**:

    - **Endpoint**: `GET /api/v2/runtimeEnvironment`
    - **Description**: Retrieves details of all runtime environments associated with the organization.
- **Get Specific Runtime Environment by ID**:
    - **Endpoint**: `GET /api/v2/runtimeEnvironment/{id}`
    - **Description**: Fetches details of a specific runtime environment using its unique ID.
- **Get Specific Runtime Environment by Name**:
    - **Endpoint**: `GET /api/v2/runtimeEnvironment/name/{name}`
    - **Note**: If the runtime environment name includes spaces, replace them with `%20`. For example, `my runtime environment` becomes `my%20runtime%20environment`. Informatica Network+4Informatica Docs+4Informatica Docs+4Informatica Docs+2Informatica Docs+2Informatica Docs+2

These endpoints return comprehensive information about runtime environments, including Secure Agent group configurations, statuses, and associated services. Informatica Docs+7Informatica Docs+7Informatica Docs+7

⚙ Performing Common Administrative Tasks Using APIs

1. Authentication

- **Version 2 Login**:
    - **Endpoint**: `POST /api/v2/user/login`
    - **Response**: Provides a `serverUrl` to be used as the base URL for subsequent API calls.
- **Version 3 Login**:
    - **Endpoint**: `POST /public/core/v3/login`
    - **Response**: Returns a `sessionId` and `baseApiUrl` for use in further API interactions. Informatica DocsInformatica Docs+1Informatica Docs+1Informatica+3Informatica Docs+3Informatica Docs+3Informatica+3Informatica Docs+3Informatica Docs+3

2. Job Management

- **Start a Job**:
    - **Endpoint**: `POST /api/v2/job`
    - **Description**: Initiates a job execution.
- **Stop a Job**:
    - **Endpoint**: `DELETE /api/v2/job/{jobId}`
    - **Description**: Stops a running job identified by `jobId`.
- **Cleanly Stop a Job**:
    - **Endpoint**: `DELETE /api/v2/job/{jobId}?mode=clean`
    - **Description**: Gracefully stops a job, ensuring proper resource cleanup.Informatica Docs

3. User and Role Management (Version 3)

- **Change Password**:
  - **Endpoint**: `POST /public/core/v3/Users/ChangePassword`
  - **Description**: Changes the password for the current user or a specified user.
- **User Group Management**:
  - **Endpoints**: Various endpoints under `/public/core/v3/Users` support managing user groups and roles.Informatica Docs

4. Source Control Operations (Version 3)

- **Check-In an Object**:
  - **Endpoint**: `POST /public/core/v3/checkin`
  - **Description**: Updates the repository with the latest version of an object.
- **Check-Out an Object**:
  - **Endpoint**: `POST /public/core/v3/checkout`
  - **Description**: Retrieves an object from the repository for editing.
- **Commit History**:
  - **Endpoint**: `GET /public/core/v3/commitHistory`
  - **Description**: Retrieves the commit history for source-controlled objects.Informatica Docs+3Informatica Docs+3Informatica Docs+3Informatica+1Informatica Docs+1

Request Entries from the Audit Log

🔹 Overview

Informatica's audit log captures user actions and system events within your organization. You can access these logs via the REST API to monitor activities such as logins, object modifications, and schedule executions.

🔹 API Endpoint

- **Retrieve the most recent 200 entries:**

```
bash
CopyEdit
GET /api/v2/auditlog
```

- **Retrieve a specific batch of entries:**

```
bash
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GET /api/v2/auditlog?batchId=<batchId>&batchSize=<batchSize>
```

  - `batchId`: The batch number to retrieve (e.g., 0 for the most recent batch).
  - `batchSize`: Number of entries per batch (e.g., 25).

🔻 Response Structure

Each audit log entry includes:

- `id`: Unique identifier of the log entry.
- `username`: User who performed the action.
- `entryTime` / `entryTimeUTC`: Timestamp of the action.
- `objectId` / `objectName`: Identifier and name of the affected object.
- `category`: Type of activity (e.g., `AUTH`, `SCHEDULE`, `USER`).
- `event`: Specific action performed (e.g., `CREATE`, `UPDATE`, `DELETE`).
- `message`: Additional details about the event.

🔻 Example

To retrieve entries 26–50:

```
bash
CopyEdit
GET /api/v2/auditlog?batchId=1&batchSize=25
```

This fetches the second batch (entries 26–50) with 25 entries per batch.

📓 Request Schedule Information

🔻 Overview

Schedules in IICS automate the execution of tasks and workflows. You can retrieve schedule details using the REST API to manage and monitor these automated processes.

🔻 API Endpoint

- **Retrieve all schedules:**

  ```
  bash
  CopyEdit
  GET /api/v2/schedules
  ```

- **Retrieve a specific schedule by ID:**

  ```
  bash
  CopyEdit
  GET /api/v2/schedules/<scheduleId>
  ```

🔻 Response Structure

A schedule object includes:

- `id`: Unique identifier of the schedule.
- `name`: Name of the schedule.
- `description`: Description of the schedule.
- `startTime`: When the schedule is set to start.
- `endTime`: When the schedule is set to end (if applicable).
- `frequency`: How often the schedule runs (e.g., daily, weekly).
- `status`: Current status (e.g., `ACTIVE`, `INACTIVE`).

🔻 Example

To retrieve details of a specific schedule:

```
bash
CopyEdit
GET /api/v2/schedules/123456789
```

Replace `123456789` with the actual schedule ID.

🔐 Authentication

All API requests require authentication. Typically, this involves:

1. **Obtaining a session ID** by authenticating with your IICS credentials.
2. **Including the session ID** in the header of your API requests:

   ```
   makefile
   CopyEdit
   Authorization: Bearer <sessionId>
   ```

Retrieving Organization and Sub-Organization Details

🔻 Get Organization Details

- **Endpoint**: `GET /public/core/v3/org`
- **Description**: Retrieves details of the current IICS organization.
- **Response Includes**:
  - Organization ID (`orgId`)
  - Organization Name

- Sub-organization IDs and Names (if applicable)Informatica Knowledge+4Informatica Docs+4Informatica Online Help+4Informatica Knowledge+1Informatica Online Help+1Informatica Online Help

Reference: Informatica Documentation on Org ServicesInformatica Docs+1Informatica Docs+1

🔻 Get Sub-Organization Details

- **Endpoint**: `GET /public/core/v3/orgs/{subOrgId}`
- **Description**: Retrieves details of a specific sub-organization by its ID.
- **Response Includes**:
  - Sub-organization ID (`orgId`)
  - Sub-organization Name
  - Parent Organization IDInformatica Docs+4Informatica Online Help+4Informatica Docs+4Informatica

Reference: Informatica Documentation on Sub-OrganizationsInformatica Docs+6Informatica Docs+6Informatica Docs+6

👥 2. Retrieving User Details

🔻 Get All Users in an Organization

- **Endpoint**: `GET /public/core/v3/users`
- **Optional Query Parameters**:
  - `limit` (default: 100, max: 200)
  - `skip` (default: 0)Success Portal+6Informatica Online Help+6Informatica Docs+6Informatica Docs+3Informatica Docs+3Informatica Docs+3

Reference: Informatica Documentation on Getting User DetailsInformatica Docs+2Informatica Docs+2Informatica Docs+2

🔻 Get Specific User Details

- **Endpoint**: `GET /public/core/v3/users?q=userId=={userId}`
- **Alternative**: `GET /public/core/v3/users?q=userName=={userName}`
- **Description**: Retrieves details of a specific user by their ID or username.
- **Response Includes**:
  - User ID (`id`)
  - Organization ID (`orgId`)
  - Username
  - First and Last Name
  - Email

- User State (e.g., Active)Informatica Online Help+1Informatica Docs+1Informatica Online Help+2Informatica Online Help+2Informatica Docs+2Informatica Online Help+1Informatica Online Help+1Informatica Docs

Reference: Informatica Documentation on Getting User DetailsInformatica Online Help+13Informatica Docs+13Informatica Docs+13

🛠 3. Practical Usage Tips

- **Authentication**: Before making API calls, authenticate using your IICS credentials to obtain a session ID (`icSessionId`) and base API URL.
- **Headers**: Include the `icSessionId` in the `INFA-SESSION-ID` header for authenticated requests.
- **Pagination**: Use `limit` and `skip` parameters to handle large sets of data when retrieving users.
- **Filtering**: Utilize the `q` parameter to filter users based on specific criteria like `userId` or `userName`.Informatica Knowledge+1ThinkETL+1Informatica Online Help+1Informatica Docs+1

REST APIs in IICS Administration

Informatica's REST APIs enable administrators to automate and manage various tasks within IICS, including:Informatica+1Informatica Docs+1

- Managing users and roles
- Accessing audit logs
- Monitoring runtime environments
- Handling schedules
- Managing assets and connections
- Interacting with sub-organizationsInformatica Docs+1Informatica+1Informatica Docs+4Informatica+4Informatica+4Informatica Videos | Informatica US+5Informatica+5Informatica+5

These APIs facilitate automation, integration with external tools, and efficient administration.

□ Lab Activity: Using APIs for Administrative Tasks

REST APIs in IICS Administration

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□ Lab Activity: Using APIs for Administrative Tasks

The lab focuses on practical application of REST APIs for administrative purposes, including:

- Retrieving details of runtime environments
- Accessing audit logs
- Fetching schedule information
- Obtaining details of organizations and sub-organizations
- Retrieving user account informationInformatica Online Help+5Informatica+5Informatica+5Informatica+1Informatica+1

These exercises provide hands-on experience in automating administrative tasks using REST APIs.

□ Tools and Setup

To perform these tasks, the following tools and configurations are utilized:

- **Postman**: For sending and testing API requests.
- **Authentication**: Using a valid IICS login and session ID.
- **API Endpoints**: Utilizing appropriate endpoints as per the REST API documentation .Informatica Docs+1Informatica Docs+1Informatica Knowledge+5Informatica+5Informatica+5Informatica Docs

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□ Example API Calls

Here are examples of API calls for administrative tasks:

- **Retrieve Runtime Environment Details**:

    - **Endpoint**: `GET /api/v2/agent`
    - **Purpose**: Fetches information about runtime environments.Informatica DocsInformatica Docs+2Informatica+2Informatica+2
- **Access Audit Logs**:
    - **Endpoint**: `GET /api/v2/auditlog`
    - **Purpose**: Retrieves entries from the audit log.Informatica+1Informatica+1
- **Fetch Schedule Information**:
    - **Endpoint**: `GET /api/v2/schedule`
    - **Purpose**: Obtains details about schedules.
- **Get Organization Details**:
    - **Endpoint**: `GET /api/v2/org`
    - **Purpose**: Retrieves information about the organization and sub-organizations. Informatica+1Informatica+1
- **Retrieve User Account Information**:
    - **Endpoint**: `GET /api/v2/user`
    - **Purpose**: Fetches details of user accounts.

These API calls require proper authentication and session management.

- Retrieving user account informationInformatica Online Help+5Informatica+5Informatica+5Informatica+1Informatica+1

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Here are examples of API calls for administrative tasks:

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  - **Purpose**: Retrieves entries from the audit log.Informatica+1Informatica+1
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These API calls require proper authentication and session management.

Session Logs in IICS

What Are Session Logs?

Session logs in IICS provide detailed information about the execution of data integration tasks. They include:

- **Execution Details**: Start and end times, mapping compilation time, optimization time, and total execution time.
- **Operational Metrics**: Reader and writer statistics, transformation statistics, and load summaries.
- **Error Information**: Details of any errors encountered during the session.Informatica Online Help+1Informatica Docs+1Informatica Docs+1Informatica Docs+1

These logs are crucial for diagnosing issues and understanding task performance. Informatica Docs+2Informatica Online Help+2Informatica Docs+2

Accessing Session Logs

To download a session log:Informatica Docs+12Informatica Online Help+12Informatica Docs+12

1. Navigate to the **Monitor** tab in IICS.
2. Select **All Jobs** or **My Jobs**.
3. Locate the desired job and click the **Download Log** icon.
4. Alternatively, click the job name to open details and then select **Download Session Log**. Informatica Knowledge+1Informatica Knowledge+1Informatica Docs+2Informatica Online Help+2Informatica Docs+2

This allows you to analyze the session log for both successful and failed jobs.

Managing Session Log Retention

By default, IICS retains session logs for the last 10 runs. To increase this number:Informatica Knowledge+1Informatica Knowledge+1

1. Go to the **Schedule** tab of your task.
2. Adjust the **Maximum number of log files** setting to your desired value.Informatica Knowledge+3Informatica Knowledge+3Informatica Docs+3Informatica Knowledge

This prevents older logs from being overwritten, ensuring access to historical execution data. Informatica Online Help+2Informatica Knowledge+2Informatica Knowledge+2

🛠 Troubleshooting Session Log Issues

Session Log Not Generating Fully

If a session log is incomplete or not visible in the UI:Informatica Knowledge+1Informatica Knowledge+1

- Check the **Advanced Session Properties** and ensure the **Session log file directory** is correctly configured.
- Removing or correcting this property can resolve visibility issues. Informatica Knowledge+1Informatica Knowledge+1

Empty Session Logs for Older Runs

Session logs may appear empty if:Informatica Knowledge

- They have been deleted or moved from the Secure Agent machine.
- The default retention limit has been exceeded, causing older logs to be overwritten.Informatica Knowledge+3Informatica Knowledge+3Informatica Docs+3

To mitigate this, increase the log retention setting as described above.

❗ Error Logs in IICS

Understanding Error Logs

Error logs capture detailed information about data rows that failed during processing. Key components include:

- **Transformation Details**: Name, mapplet, group, and partition index.
- **Error Specifics**: Row ID, error sequence, timestamp, error code, message, and type.
- **Data Information**: Source name, row ID, row type, and the actual data that caused the error. Informatica Docs+1Informatica Docs+1

These logs are essential for pinpointing and resolving data-related issues.

Enabling Error Logging

To enable error logging in your mapping:Informatica Docs

1. Open the mapping task and navigate to the **Error Handling** settings.
2. Enable **Row Error Logging** and specify the desired options.Informatica Docs+7Informatica Docs+7Informatica Knowledge+7Informatica Docs+2Informatica Docs+2Informatica Docs+2

This configuration directs the Integration Service to capture and store error details during task execution.Informatica Knowledge+6Informatica Docs+6Informatica Docs+6

□ Additional Log Files for Advanced Troubleshooting

In advanced scenarios, IICS provides additional logs:Informatica Knowledge+1Informatica Knowledge+1

- **Agent Job Log**: Details about the Secure Agent's processing of tasks, including submission and completion times.
- **Spark Driver and Executor Logs**: Information about the execution of Spark tasks, useful for diagnosing performance issues.
- **Initialization Script and Cloud-Init Logs**: Logs related to the initialization of advanced clusters, particularly in AWS environments.
- **Spark Event Log**: A JSON-encoded log of runtime events for tasks executed on Spark clusters. Informatica Docs+5Informatica Docs+5Informatica Online Help+5

Accessing these logs can provide deeper insights into task execution and help resolve complex issues.

Success Logs in Informatica

Informatica generates various logs to track operations and aid in troubleshooting:

- **Client Logs**: Capture user actions, including login attempts and session activities. Located at:

  ```
  CopyEdit
  ```

<Informatica installation directory>/TDM/logs/tdm.log

```
markdown
CopyEdit
:contentReference[oaicite:6]{index=6}

- **Event Logs**: :contentReference[oaicite:7]{index=7}
```

<Informatica installation directory>/TDM/logs/events.log

```
pgsql
CopyEdit
:contentReference[oaicite:9]{index=9}

- **Server Logs**: :contentReference[oaicite:10]{index=10}
```

<Informatica installation directory>/TDM/logs/log.log

```
markdown
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- **Job Logs**: :contentReference[oaicite:13]{index=13}
```

job_<ID>.log

```
markdown
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- **Console Logs**: :contentReference[oaicite:16]{index=16}
```

console_<ID>.log

```
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:contentReference[oaicite:18]{index=18}

- **Profiling Logs**: :contentReference[oaicite:19]{index=19}
```

<Informatica_Home>/tomcat/bin/disLogs

```
yaml
CopyEdit
:contentReference[oaicite:21]{index=21}

:contentReference[oaicite:22]{index=22}
:contentReference[oaicite:23]{index=23}&#8203;:contentReference[oaicite:24]{i
ndex=24}

---
```

🛠 Tomcat Logs in Informatica

:contentReference[oaicite:25]{index=25}:contentReference[oaicite:26]{index=26}

- **Tomcat Logs**: :contentReference[oaicite:27]{index=27}

<Informatica installation directory>/tomcat/logs/

markdown
CopyEdit
:contentReference[oaicite:29]{index=29}

- **Test Data Warehouse Application Logs**:
:contentReference[oaicite:30]{index=30}

<Informatica installation directory>/logs/node01/services/TDWService/<Service_Name>/tdw.log

yaml
CopyEdit
:contentReference[oaicite:32]{index=32}

:contentReference[oaicite:33]{index=33}
:contentReference[oaicite:34]{index=34}:contentReference[oaicite:35]{index=35}

📁 Log File Naming Conventions

:contentReference[oaicite:36]{index=36}:contentReference[oaicite:37]{index=37}

- **Workflows**: :contentReference[oaicite:38]{index=38}
- **Mappings**: :contentReference[oaicite:39]{index=39}
- **Sessions**: :contentReference[oaicite:40]{index=40}
- **Mapplets**: :contentReference[oaicite:41]{index=41}
- **Targets**:
:contentReference[oaicite:42]{index=42}:contentReference[oaicite:43]{index=43}

:contentReference[oaicite:44]{index=44}
:contentReference[oaicite:45]{index=45}:contentReference[oaicite:46]{index=46}

:contentReference[oaicite:47]{index=47}:contentReference[oaicite:48]{index=48}

::contentReference[oaicite:49]{index=49}

1. Success Log

In Informatica (especially Cloud services and on-prem tools like PowerCenter):

- **Success Log** refers to the records generated after a **successful execution** of a task, mapping, session, or workflow.
- It contains key information like:
  - Start and end time
  - Number of records processed (read/written)
  - Any transformations applied
  - Confirmation that no errors occurred
- Typically, it's auto-stored in the **Integration Service Process** or within your cloud repository.
- **Example**: After a successful data sync task, Informatica generates a `.log` file (or displays a success message in the console) confirming completion.

🛠️ You can **view or download** the success logs from the **Monitor** tab in Informatica Cloud or from the **Workflow Monitor** in PowerCenter.

---

2. Tomcat Log

- Informatica Cloud and some Informatica on-premises components use **Apache Tomcat** as their web server.
- **Tomcat Logs** track the web application server behavior — they're not task-specific like Success Logs, but cover things like:
  - Web application startup/shutdown
  - Access requests
  - Errors in web apps (like login issues, UI problems)
  - Server performance issues
- Tomcat logs typically live in paths like:
  ➔ `<Informatica_Install_Directory>/tomcat/logs/`
- **Important files**:
  - `catalina.out` (general Tomcat server log)
  - `localhost_access_log.*.txt` (specific access logs)

✅ Useful for **troubleshooting login problems**, **web service errors**, or **server crashes**.

---

3. Log File Naming Convention

In Informatica, log files are **named systematically** to make troubleshooting easier. Here's how naming typically works:

- **For task/session logs**:

  ```
  php-template
  ```

```
CopyEdit
<SessionName>_<InstanceName>_<RunID>.log
```

Example:

```
bash
CopyEdit
LoadCustomers_DM_22345.log
```

(Here, LoadCustomers is the task/session name, DM is the integration instance, and 22345 is the unique run ID.)

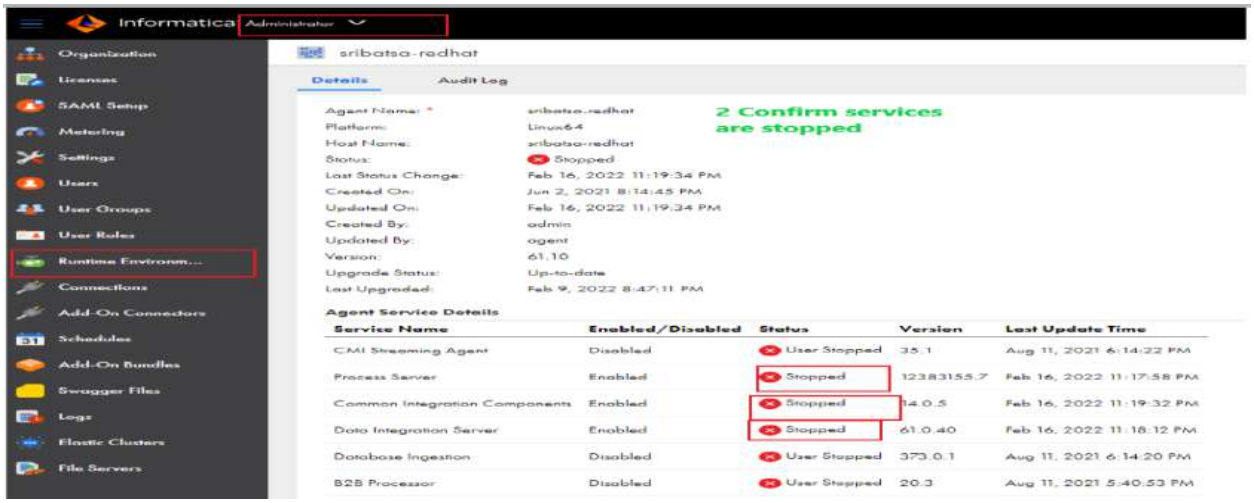
- **For Tomcat Logs**:

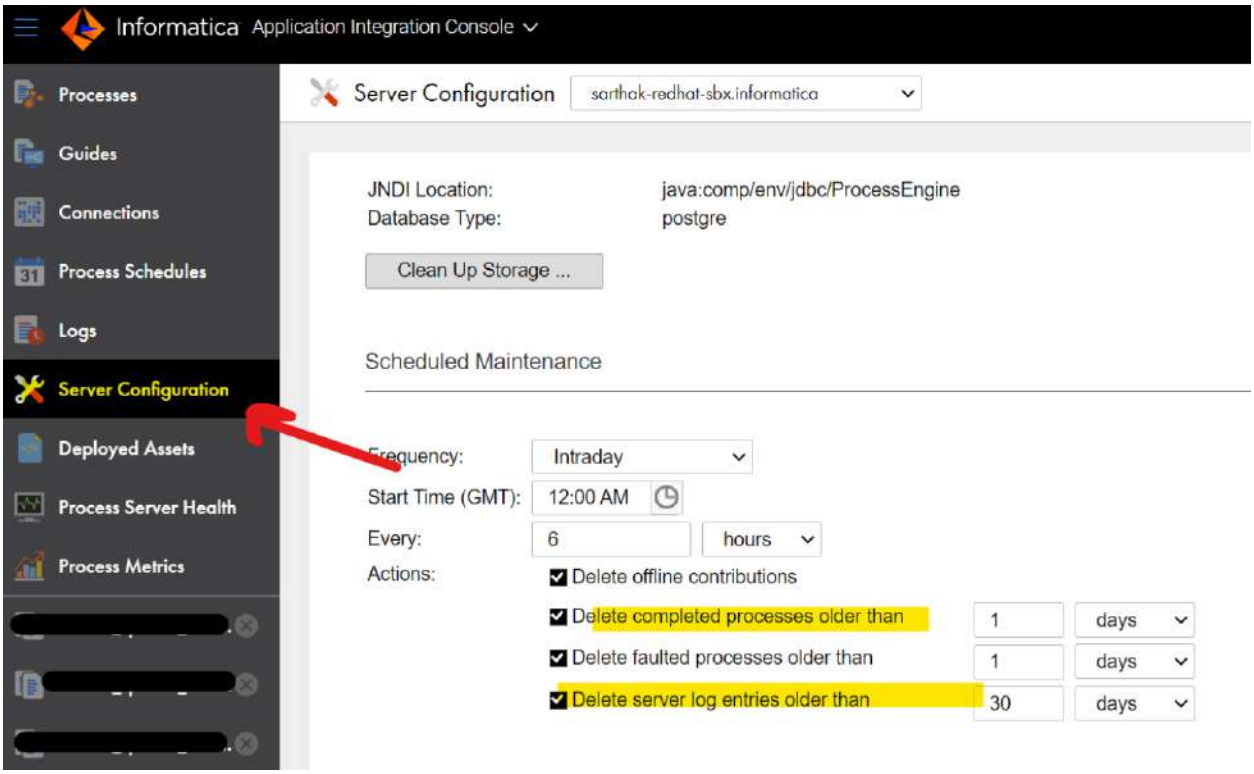
```
bash
CopyEdit
catalina.<date>.log
localhost_access_log.<date>.txt
```

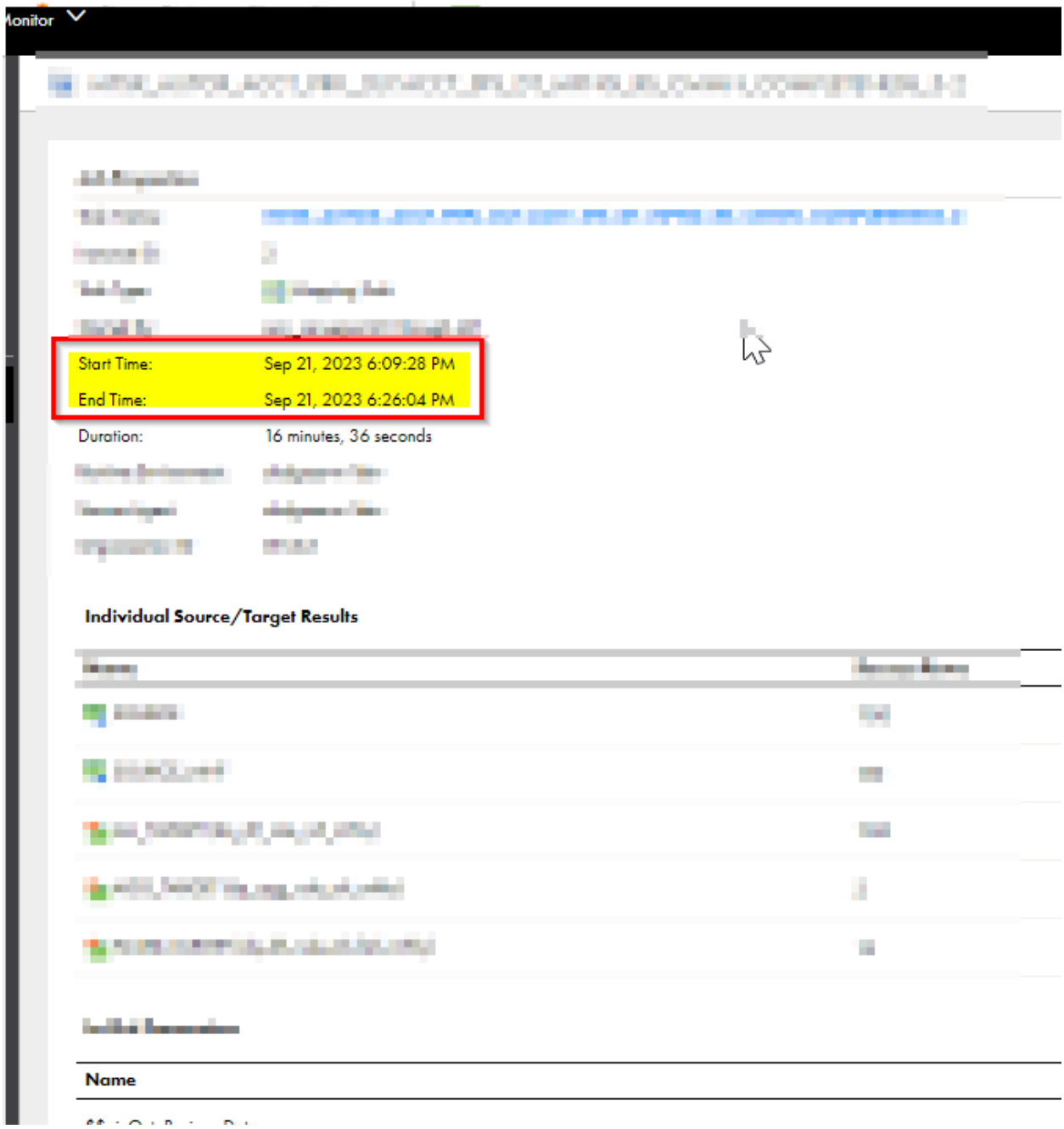
Example:

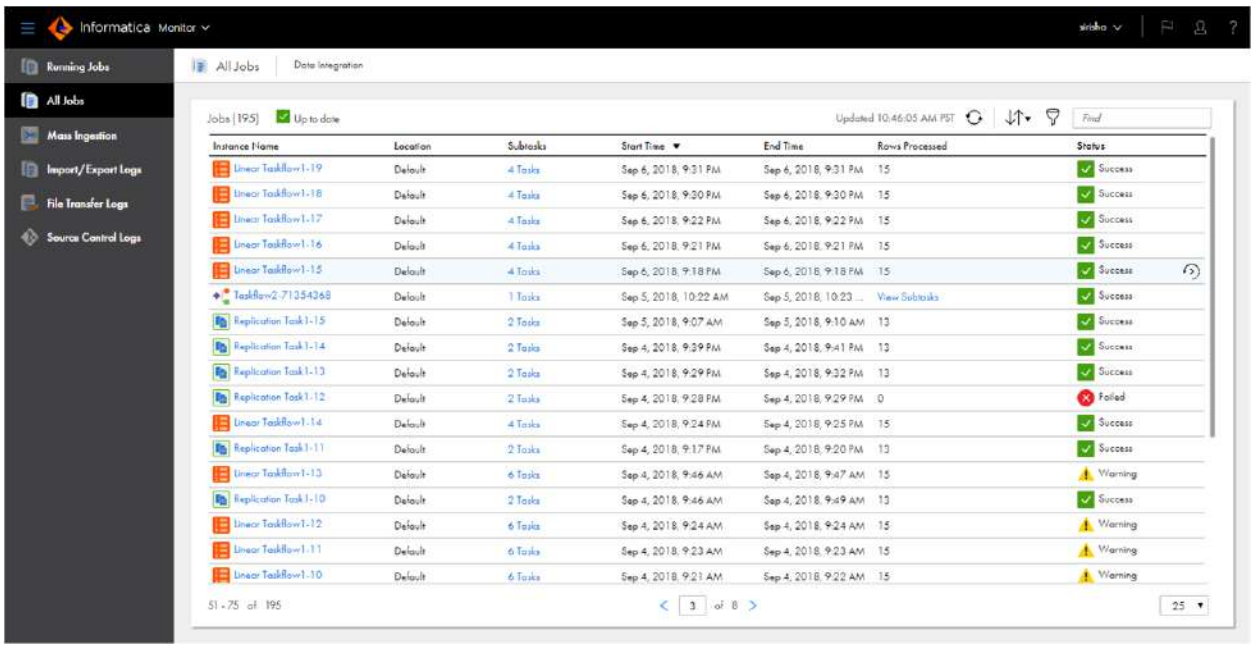
```
lua
CopyEdit
catalina.2025-04-25.log
localhost_access_log.2025-04-25.txt
```

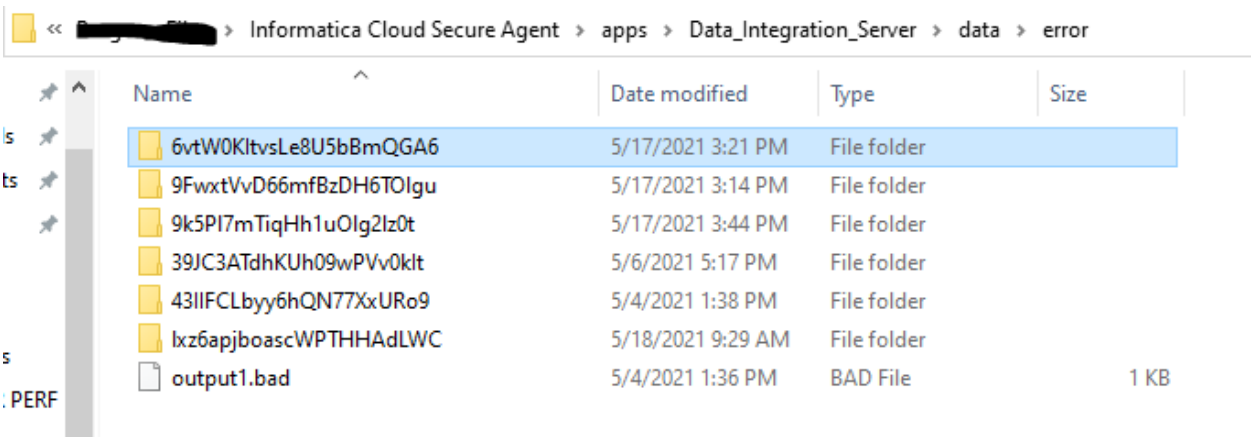
Informatica Intelligent Cloud Services (IICS), focusing on log file storage, the IICS Status Page, troubleshooting common issues, and accessing IICS resources.

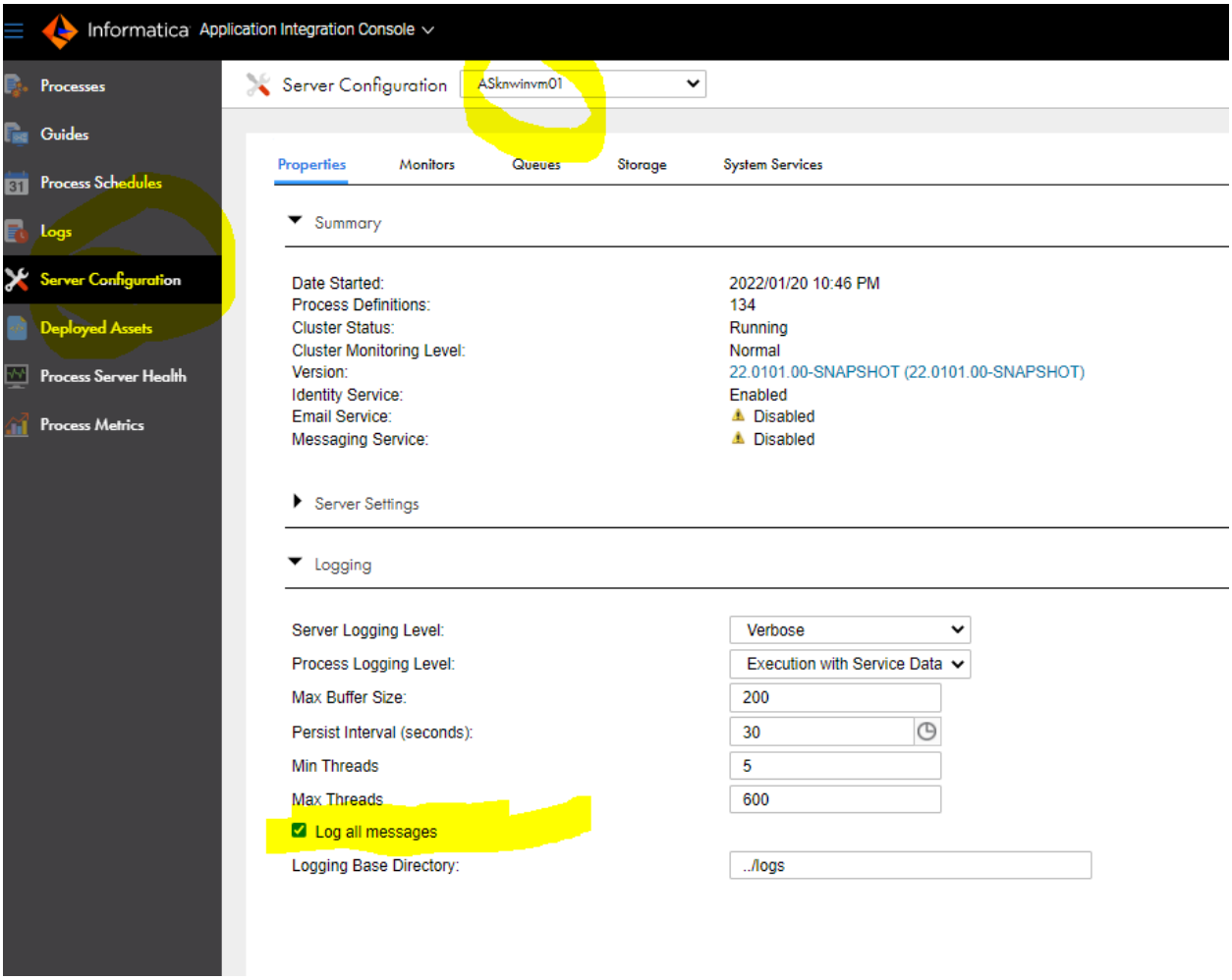


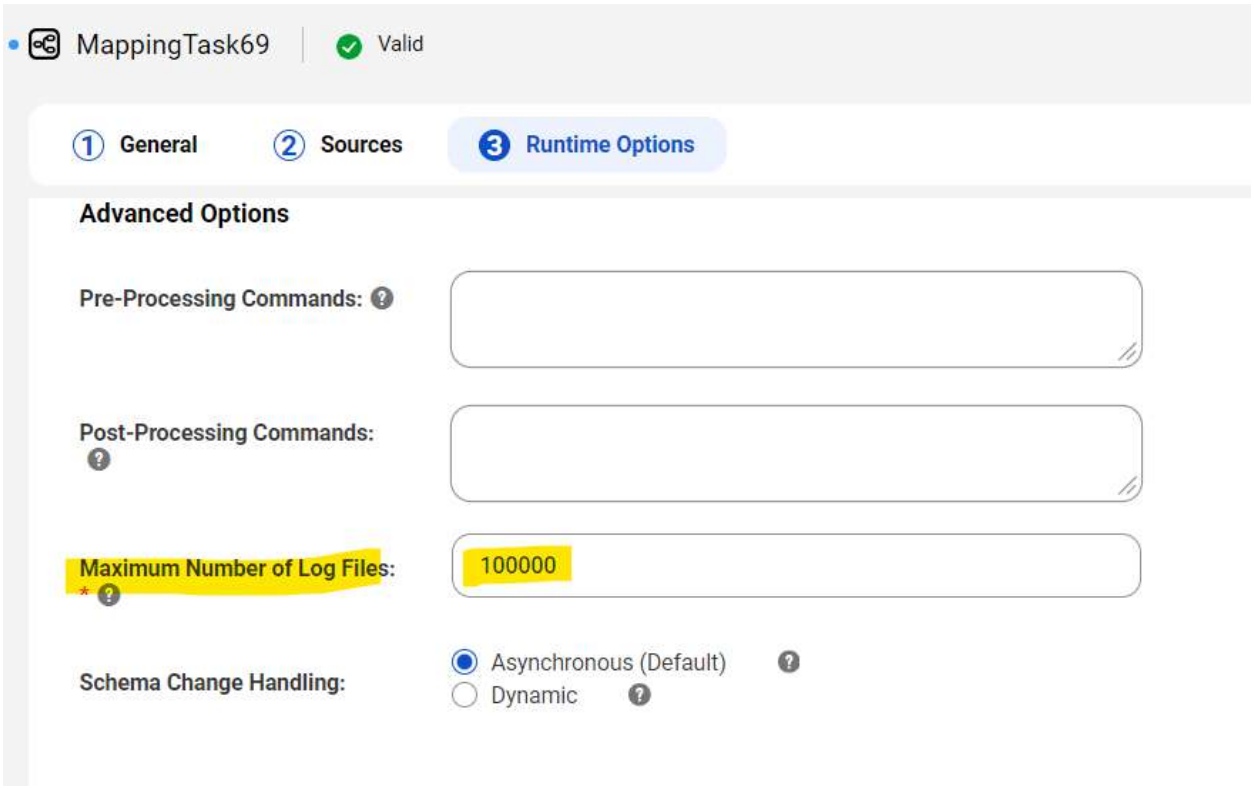

Informatica Application Integration Console
Processes
Guides
Connections
Process Schedules
Logs
Server Configuration
Deployed Assets
Process Server Health
Process Metrics
Server Configuration
sarthak-redhat-sbx.informatica
JNDI Location:
java:comp/env/jdbc/ProcessEngine
Database Type:
postgre
Clean Up Storage ...
Scheduled Maintenance
Frequency:
Intraday
Start Time (GMT):
12:00 AM
Every:
6
hours
Actions:
Delete offline contributions
Delete completed processes older than
1
days
Delete faulted processes older than
1
days
Delete server log entries older than
30
days

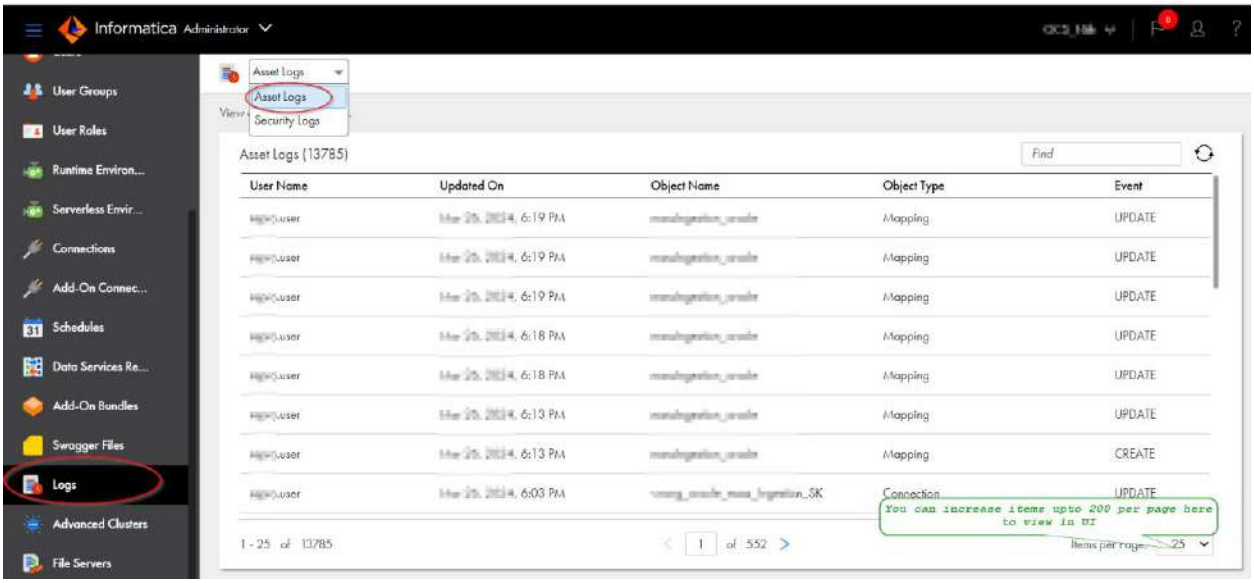

Monitor
Start Time: Sep 21, 2023 6:09:28 PM
End Time: Sep 21, 2023 6:26:04 PM
Duration: 16 minutes, 36 seconds
Individual Source/Target Results
Name

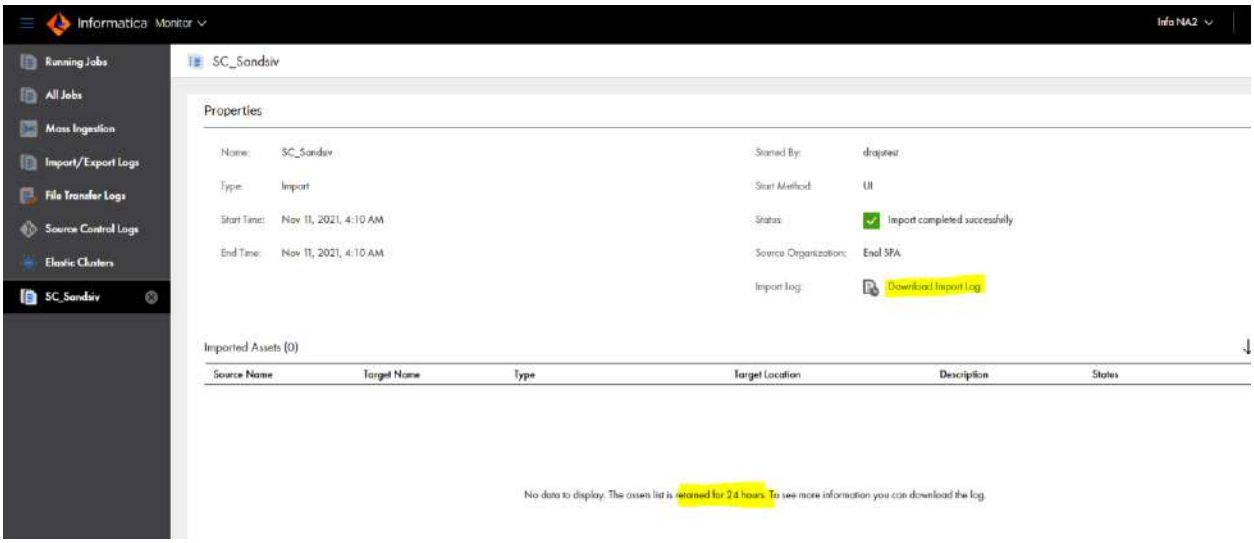

Informatica Monitor
Running Jobs
All Jobs
Mass Ingestion
Import/Export Logs
File Transfer Logs
Source Control Logs
All Jobs
Data Integration
Jobs (195)
Up to date
Updated 10:46:05 AM PST
Find
Instance Name
Location
Subtasks
Start Time
End Time
Rows Processed
Status
Linear Taskflow1-19 Default 4 Tasks Sep 6, 2018, 9:31 PM Sep 6, 2018, 9:31 PM 15 Success
Linear Taskflow1-18 Default 4 Tasks Sep 6, 2018, 9:30 PM Sep 6, 2018, 9:30 PM 15 Success
Linear Taskflow1-17 Default 4 Tasks Sep 6, 2018, 9:22 PM Sep 6, 2018, 9:22 PM 15 Success
Linear Taskflow1-16 Default 4 Tasks Sep 6, 2018, 9:21 PM Sep 6, 2018, 9:21 PM 15 Success
Linear Taskflow1-15 Default 4 Tasks Sep 6, 2018, 9:18 PM Sep 6, 2018, 9:18 PM 15 Success
Taskflow2-71354368 Default 1 Tasks Sep 5, 2018, 10:22 AM Sep 5, 2018, 10:23 ... View Subtasks Success
Replication Task1-15 Default 2 Tasks Sep 5, 2018, 9:07 AM Sep 5, 2018, 9:10 AM 13 Success
Replication Task1-14 Default 2 Tasks Sep 4, 2018, 9:39 PM Sep 4, 2018, 9:41 PM 13 Success
Replication Task1-13 Default 2 Tasks Sep 4, 2018, 9:29 PM Sep 4, 2018, 9:32 PM 13 Success
Replication Task1-12 Default 2 Tasks Sep 4, 2018, 9:28 PM Sep 4, 2018, 9:29 PM 0 Failed
Linear Taskflow1-14 Default 4 Tasks Sep 4, 2018, 9:24 PM Sep 4, 2018, 9:25 PM 15 Success
Replication Task1-11 Default 2 Tasks Sep 4, 2018, 9:17 PM Sep 4, 2018, 9:20 PM 13 Success
Linear Taskflow1-13 Default 6 Tasks Sep 4, 2018, 9:46 AM Sep 4, 2018, 9:47 AM 15 Warning
Replication Task1-10 Default 2 Tasks Sep 4, 2018, 9:46 AM Sep 4, 2018, 9:49 AM 13 Success
Linear Taskflow1-12 Default 6 Tasks Sep 4, 2018, 9:24 AM Sep 4, 2018, 9:24 AM 15 Warning
Linear Taskflow1-11 Default 6 Tasks Sep 4, 2018, 9:23 AM Sep 4, 2018, 9:23 AM 15 Warning
Linear Taskflow1-10 Default 6 Tasks Sep 4, 2018, 9:21 AM Sep 4, 2018, 9:22 AM 15 Warning
51 - 75 of 195
3 of 8
25


[redacted] › Informatica Cloud Secure Agent › apps › Data_Integration_Server › data › error
Name
Date modified
Type
Size
6vtW0KltvsLe8U5bBmQGA6 5/17/2021 3:21 PM File folder
9FwxtVvD66mfBzDH6TOlgu 5/17/2021 3:14 PM File folder
9k5PI7mTiqHh1uOlg2lz0t 5/17/2021 3:44 PM File folder
39JC3ATdhKUh09wPVv0klt 5/6/2021 5:17 PM File folder
43lIFCLbyy6hQN77XxURo9 5/4/2021 1:38 PM File folder
lxz6apjboascWPTHHAdLWC 5/18/2021 9:29 AM File folder
output1.bad 5/4/2021 1:36 PM BAD File 1 KB


Informatica Application Integration Console
Processes
Guides
Process Schedules
Logs
Server Configuration
Deployed Assets
Process Server Health
Process Metrics
Server Configuration
ASknwinvm01
Properties
Monitors
Queues
Storage
System Services
Summary
Date Started: 2022/01/20 10:46 PM
Process Definitions: 134
Cluster Status: Running
Cluster Monitoring Level: Normal
Version: 22.0101.00-SNAPSHOT (22.0101.00-SNAPSHOT)
Identity Service: Enabled
Email Service: Disabled
Messaging Service: Disabled
Server Settings
Logging
Server Logging Level: Verbose
Process Logging Level: Execution with Service Data
Max Buffer Size: 200
Persist Interval (seconds): 30
Min Threads 5
Max Threads 600
Log all messages
Logging Base Directory: ../logs


MappingTask69
Valid
1 General
2 Sources
3 Runtime Options
Advanced Options
Pre-Processing Commands:
Post-Processing Commands:
Maximum Number of Log Files: *
100000
Schema Change Handling:
Asynchronous (Default)
Dynamic


Informatica Administrator
User Groups
User Roles
Runtime Environ...
Serverless Envir...
Connections
Add-On Connec...
Schedules
Data Services Re...
Add-On Bundles
Swagger Files
Logs
Advanced Clusters
File Servers
Asset Logs
Asset Logs
Security Logs
Asset Logs (13785)
Find
User Name
Updated On
Object Name
Object Type
Event
Mapping
UPDATE
CREATE
Connection
You can increase items upto 200 per page here to view in UI
1 - 25 of 13785
1 of 552



Solution

In Informatica Intelligent Cloud Services (IICS), to create a *session* log with task name and append timestamp to the session log file name, refer to the following:

There are two inbuilt functions in IICS:

$CurrentTaskName: Replaced with the task name
$CurrentTime: Replaced with the current time.

Suppose the task name is *Load data from Oracle to SFDC* and the *session* log file name must be *Load data from Oracle to SFDC_currentTimeStamp,* set the *Session Log File Name* property under *Advanced Session Properties* in the Mapping Configuration task (MCT).

Advanced Session Properties

Session Property Name	Session Property Value
Session Log File Name	$CurrentTaskName_$CurrentTime

The *$CurrentTime* parameter generates the date in Epoch format.