SIEMENS

Insights Hub

Usage Transparency

System Manual

03/2024

Legal information

Warning notice system

This manual contains notices you have to observe in order to ensure your personal safety, as well as to prevent damage to property. The notices referring to your personal safety are highlighted in the manual by a safety alert symbol, notices referring only to property damage have no safety alert symbol. These notices shown below are graded according to the degree of danger.

> ⚠ **DANGER**
>
> indicates that death or severe personal injury **will** result if proper precautions are not taken.

> ⚠ **WARNING**
>
> indicates that death or severe personal injury **may** result if proper precautions are not taken.

> ⚠ **CAUTION**
>
> indicates that minor personal injury can result if proper precautions are not taken.

> **NOTICE**
>
> indicates that property damage can result if proper precautions are not taken.

If more than one degree of danger is present, the warning notice representing the highest degree of danger will be used. A notice warning of injury to persons with a safety alert symbol may also include a warning relating to property damage.

Qualified Personnel

The product/system described in this documentation may be operated only by **personnel qualified** for the specific task in accordance with the relevant documentation, in particular its warning notices and safety instructions. Qualified personnel are those who, based on their training and experience, are capable of identifying risks and avoiding potential hazards when working with these products/systems.

Proper use of Siemens products

Note the following:

> ⚠ **WARNING**
>
> Siemens products may only be used for the applications described in the catalog and in the relevant technical documentation. If products and components from other manufacturers are used, these must be recommended or approved by Siemens. Proper transport, storage, installation, assembly, commissioning, operation and maintenance are required to ensure that the products operate safely and without any problems. The permissible ambient conditions must be complied with. The information in the relevant documentation must be observed.

Trademarks

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Disclaimer of Liability

We have reviewed the contents of this publication to ensure consistency with the hardware and software described. Since variance cannot be precluded entirely, we cannot guarantee full consistency. However, the information in this publication is reviewed regularly and any necessary corrections are included in subsequent editions.

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Introduction

<div style="text-align: right; font-size: 3em; font-weight: bold;">1</div>

1.1   Introduction

Usage Transparency provides customers with a user interface that provides transparency and allows them to gain detailed insights into tenant specific consumption data (metrics) and their specific limits/targets of the subscription plans. It brings together various consumption data on the Industrial IoT platform allowing the users to track the metrics that enable their utilization-based pricing models. The dashboards allow the users to access required usage metrics for a specific time period. Also, users can generate usage reports in the **.csv** file format for further analysis. These reports help the users to track the metrics and make decisions about managing and upgrading their subscription plans.

The following screenshot shows Usage Transparency user interface:
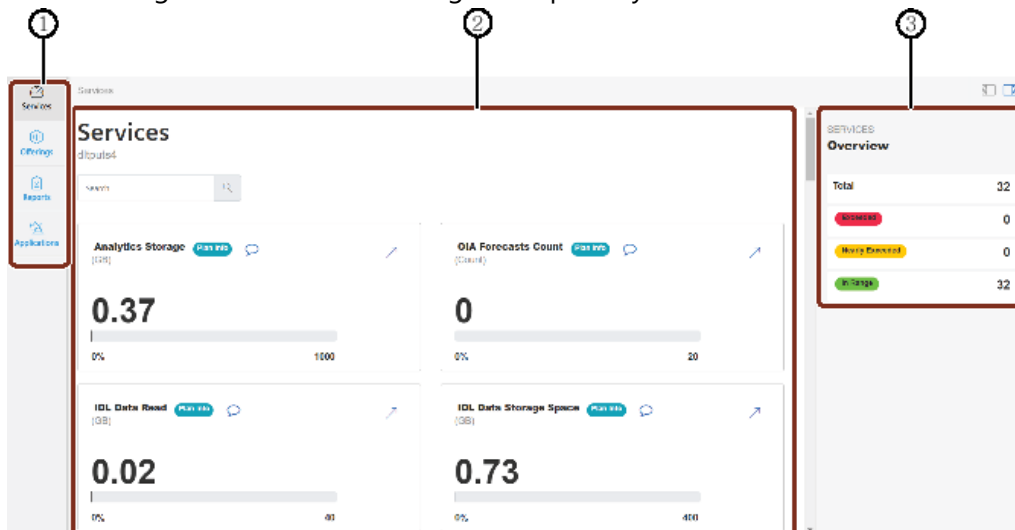
①   Navigation pane

②   Display area

③   Metric status overview for the tenant

Multilingual support

Usage Transparency User Interface (UI) provides support for English and Chinese languages. To view the UI in Chinese language, change your browser language settings.

User rights

<div style="text-align: right; font-size: 3em;">2</div>

2.1 User rights

To access Usage Transparency, you need the TenantAdmin role.

For more information on roles, see [Settings documentation](#)

Metrics 3

3.1 Metrics

This chapter contains a list of all supported metrics and provides a description of each Metric. These metrics show information about your resource consumption.

Supported metrics

The following table explains the supported metrics:

Metric name (measurement unit)	Description
Agents (Count)	Total number of Siemens Connectivity agents (except agents using Mindconnect IoT Extension).
Asset Instances (Count)	An asset instance represents physical and/or logical devices within your tenant. It is the total number of assets created in the tenant. Note that the root assets from the tenant and subtenants are not counted.
Asset Types (Count)	Asset type describes the type of an asset (for example, a generic motor) including one or several attributes. It is the total number of asset types created in the tenant.
Backing Services - M (Hours)	This is the total number of hours of backing service instances of size "M" used within the subscription limits per respective month.
Backing Services - M50 (Hours)	This is the total number of hours of backing service instances of size "M50" used within the subscription limits per respective month.
Backing Services - M150_HA (Hours)	This is the total number of hours of backing service instances of size "M150_HA" used within the subscription limits per respective month.
Backing Services - S10 (Hours)	This is the total number of hours of backing service instances of size "S10" used within the subscription limits per respective month.
Backing Services - S10_HA (Hours)	This is the total number of hours of backing service instances of size "S10_HA" used within the subscription limits per respective month.
Backing Services - XS (Hours)	This is the total number of hours of backing service instances of size "XS" used within the subscription limits per respective month.

Metric name (measurement unit)	Description
Cloud Foundry RAM (MB)	This is the total amount of memory assigned to running applications in the Cloud Foundry ORG.
Data transfer volume via IPSec tunnel (GB)	This is the total amount of data transferred via IPSec tunnel per respective month.
Data transfer volume via SNX tunnel (GB)	This is the total amount of data transferred via Bring Your Own Tunnel (SNX) per respective month.
Event Instances (Count)	An event instance represents the actual occurrence of an event (a defined situation). For example: 2018-07-10 15:45:23
Event Types (Count)	The order and the content of an event instance are specified in the corresponding event type. For example: timestamp, priority, and description. It is the total number of custom created event types available for the event management.
File Storage (GB)	File Storage represents the IoT File Service included in your subscribed plan. It is the total size of the files uploaded to IoT File Service.
IDL Data Read (GB)	This is the amount of data the customer can read in Integrated Data Lake calculated per respective month.
IDL Data Storage Space (GB)	This is the maximum data storage capacity that is available in Integrated Data Lake per offering.
IDL Data Write (GB)	This is the amount of data the customer can write in Integrated Data Lake calculated per respective month.
IDL Objects Stored (Count)	This is the total number of objects that can be stored in the Integrated Data Lake.
IDL Read Operations (Count)	This is the amount of read operations that the customer can perform on the Integrated Data Lake in the respective month.
IDL Write Operations (Count)	This is the amount of write operations that the customer can perform on the Integrated Data Lake in the respective month.
IDL maximum number of search operations (Count)	This is the amount of search operations per month, which you can perform on Integrated Data Lake.
MindConnect IoT Extension data ingest per actual month (MB)	This is the amount of data ingested into MindConnect IoT Extension calculated per respective month.

Metric name (measurement unit)	Description
New uploads to the Store (count)	This is the number of applications published to the Industrial IoT Store during the respective month.
Notifications (Count)	It is the total number of notifications sent out via Notification Service. One notification may be sent out to multiple recipients and will be counted accordingly.
OI Advance KPI IOT analysis (Count)	This is the number of iot advance kpi created by users.
OI Visualizer data scan (GB)	This is the volume of the data scanned by users.
Packages Created (Count)	This is the number of existing packages created by the Package Builder. By default up to four packages can exist, if more are required, package upgrades can be purchased.
PPU Backing Services - Size independent (Hours)	This is the total number of hours of all the backing service instances used above the subscription limits per respective month.
PPU Backing Services - M (Hours)	This is the total number of hours of backing service instances of size "M" used above the subscription limits per respective month.
PPU Backing Services - M50 (Hours)	This is the total number of hours of backing service instances of size "M50" used above the subscription limits per respective month.
PPU Backing Services - M150_HA (Hours)	This is the total number of hours of backing service instances of size "M150_HA" used above the subscription limits per respective month.
PPU Backing Services - S10 (Hours)	This is the total number of hours of backing service instances of size "S10" used above the subscription limits per respective month.
PPU Backing Services - S10_HA (Hours)	This is the total number of hours of backing service instances of size "S10_HA" used above the subscription limits per respective month.
PPU Backing Services - XS (Hours)	This is the total number of hours of backing service instances of size "XS" used above the subscription limits per respective month.
Count of IPSec router (Count)	This is the total number of routers onboarded to VPN tunneling per respective month.
Rules Quota (Count)	A rule is a condition based on which the overshooting or undershooting of a defined threshold value is monitored and an appropriate event is triggered. It is the total number of rules that are activated - e.g. within Insights Hub Monitor.

Metric name (measurement unit)	Description
SDI Connected Systems (Count)	This is the number of registered data sources from where data is consumed from Semantic Data Interconnect.
SDI Data Storage (GB)	This is the processed data stored in Semantic Data Interconnect.
SDI Outbound Traffic (GB)	This is the outbound queried result traffic from Semantic Data Interconnect.
Subtenants (Count)	Subtenants are subparts of a tenant and it represents an organization of your own or of a third-party that you are permitted. It is the total number of the subtenants created in the "Settings" application on the tenant.
Technical Token Manager API calls (Count)	This is the number of times technical token service API endpoints are accessed per month.
Time series data ingest rate (KB/s)	This is the average transfer rate of all machine data sent to Timeseries service.
Timeseries Storage (GB)	This is the amount of machine data that is stored for the tenant in Timeseries service.
Users (Count)	It represents the users who have the permissions to log in to a tenant. It is the total number of users that can log in to the tenant. These users are identified by their emails and are created in the "Settings" application on the tenant.
Visual Explorer Viewer Users (Count)	This is the total number of users created in Visual Explorer (=Tableau Server). A user is created with the first login to Visual Explorer. To log in, the user needs the role *mdsp:core:visualexplorer.viewer*
Visual Explorer Creator Users (Count)	This is the total number of users created in Visual Explorer (=Tableau Server). A user is created with the first login to Visual Explorer. To log in, the user needs one of the roles *mdsp:core:visualexplorer.{explorer,interactor,administrator}*.
VFC Compute Hours (Hours)	This is the number of computing time (hours) used for running user created workflows in Visual Flow Creator on a monthly basis.

> ✏️
>
> All the metrics will be updated as per the default update cycle of approximately 4 hours. In some cases, it may take longer cycles due to delayed extraction from the corresponding service. For the metrics with specific cycle, update cycle is displayed next to the respective metrics. For more information on update cycle for each metrics, refer to [Services](#) Chapter.

Services

4

4.1 Services

"Services" provides information about purchased limits and used limits of metrics with respect to plans associated with the tenant. On analyzing the status of metrics, users can manage or upgrade their plans. If the customers are nearing or exceeding the metrics usage, an email notification will be sent with information about the usages and how to upgrade the metrics. Email notifications are sent based on the following usages of the metrics:

- 90% of allowed usage.

- 100% of allowed usage.

- More than 100 % of allowed usage.

Along with the emails mentioned above, the following emails are sent only to Capability Packages 2.0 subscribers:

- 50% of allowed usage.

- 80% of allowed usage.

After sending an email notification for more than 100% of allowed usage, 30 days of grace period is provided to purchase an upgrade for the metric. If the metric is not upgraded even after the 30 days period, a final notice email is sent with an additional grace period of 7 days. After that if the metric is still not upgraded or usage capacity of the affected services is not reduced, Insights Hub intends to exercise its contractual right to suspend access to the affected services. For the subscribers of Capability Packages 2.0, immediate upgrading the package is advised to ensure that an application operates as intended and is completely functional. The following table shows the color codes to describe the status of the metrics usage:

Color Code	Metrics usage (%)
Green	Less than 80 percent of allowed usage
Yellow	Between 80 to 100 percent of allowed usage
Red	More than 100 percent of allowed usage

✏️

Update of the usage data will appear only after receiving the usages from the application.

Update of usage data is performed daily at UTC 0:00. During this, there will be a time delay to display the usage data on the UI. For more information on the time delay, refer to the table below:

Metric name (measurement unit)	Approximate Time Delay (hours)
- Asset Instances (Count) - Asset Types (Count) - File Storage (GB) - Agents (count) - Events (Count) - Events Type (Count) - PL Compute Hours (Hours) - Notifications Count (Count) - PL Data Storage (GB) - Users (Count) - Subtenants (Count) - Advanced KPI IoT timeseries count (count)	4
- IDL Data Read (GB) - IDL Data Write (GB) - IDL Write Operations (Count) - IDL Read Operations (Count)	8
- IDL Data Storage Space (GB) - IDL Objects Stored (Count) - IDL maximum number of search operations (Count)	12
- Time Series Storage (GB) - Rules Quota (Count) - VFC Compute Hours per month (Hours) - Advanced KPI IDL query execution datavolume (GB) - Visual Explorer Creator Users (count) - Visual Explorer Viewer Users (count) - MindConnect IoT Extension data ingest per actual month (MB)	24
- IDL Data Retrieval Volume (GB) - IDL Data Retrieval Operations (Count) - IDL Data Archival Operations (Count) - IDL Data Archival Volume (GB)	36

Viewing metric status

To view the metric status of the tenant, in the navigation pane, click "Services".

In the "Services" tab, purchased limits and used limits of all the metrics are displayed. Each metric name is followed by its measurement unit displayed in parentheses. For the subscribers of capability packages, the usage data shown in the "Services" tab is the sum of all the test tenants data.
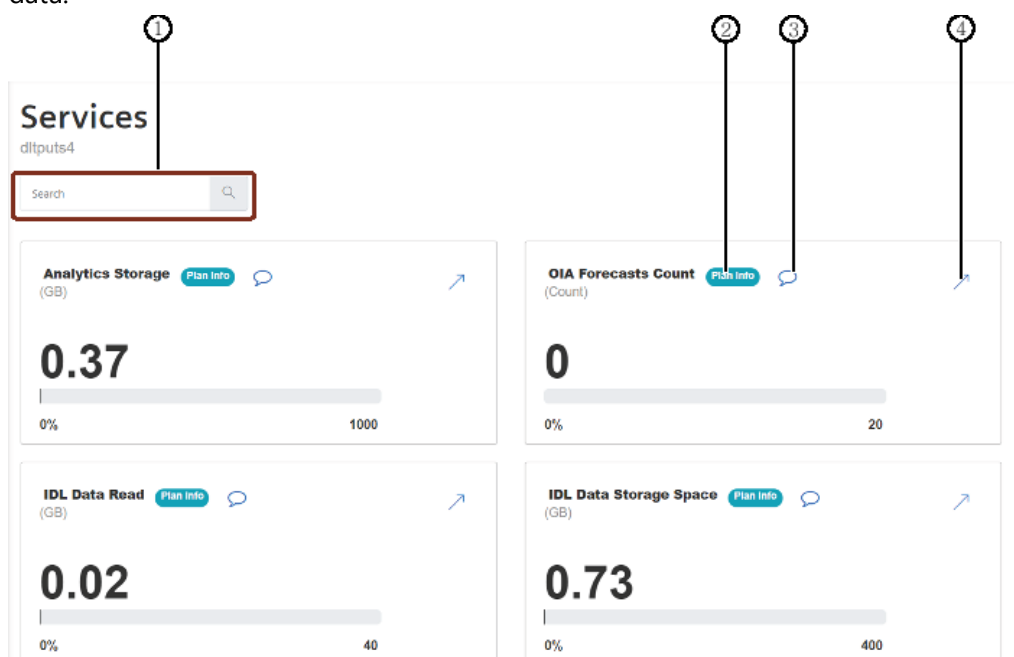
① Search field

② "Plan Info" button shows limits and usage details of the plans and the metrics

③ You can add a comment for later reference

④ Displays the historic data of the metric

- "Time series data ingest rate" metric is displayed for both tenant and asset with the update cycle of 15 minutes and has a 35 minutes delay. For example, data from 10:45 will be available at 11:20.

- "Time series data ingest rate per asset" provides the metric details in a table containing "Asset Name", "Asset Id", "Data Ingest", "Unit" details.

- It is possible to view the hourly data in the Services Dashboard. Currently, only the hourly data of Timeseries Ingest metric is shown on the Services dashboard.

- For the subscribers of resource packages, if the packages are provisioned to test tenants within the same SoldTo, then the purchased limit for all tenants within that SoldTo are visible on details tab.

- For the migration of legacy Insights Hub customers to a new offering structure, the Asset-Attribute parameter is crucial. Hence the Asset-Attribute metric is displayed on all the legacy tenants without impacting the ongoing plan or the billing.
  For more information on our new offerings, please visit [Industrial IoT Store](#) or connect with your Sales partner".

Plan info

The "Plan info" button displays the individual offering's limits and quantity information of each metrics. The details of "Quantity" and "Limit" for each offering of the chosen metrics are displayed in this section. The total value of the plan as a whole is calculated by multiplying the quantity and the limit value of each offering.
In the example shown below, the metric has three offerings with 4,7,3 units of quantities and 100,0,1000 units of limits respectively. The Total value is calculated by adding the multiplied values of quantity and limits from each offering ($4*100 + 7*0 + 3*1000$).

Plan Name	Quantity	Limit
Base Tenant Offering	4	100
Predictive Learning Throttling Resource Package - Predictive Learning Essentials	7	0
Predictive Learning Resource Package - Predictive Learning Essentials	3	1000
All Plans - Total	14	3400

Purchasing upgrades

> ✏️
>
> This feature is not available for subscribers of Capability Packages.

Currently, you can purchase upgrade for the following metrics:

- Asset Types

- Asset Instances

- Users

- Subtenants

- Rules Quota

- Timeseries Storage

- Visual Explorer Viewer Users

- Visual Explorer Creator Users

- VFC Compute Hours

To purchase an upgrade for a metric, follow these steps:

1. In the navigation pane, click "Services".

2. Click "Upgrade" for the metric you want to upgrade. You are directed to the "Upgrade" application.

3. Purchase the upgrade. For more information, refer the [Upgrade](#) manual.
After the purchase, click "Back to previous app" to navigate back to the "Usage Transparency" application.

Result

The purchased upgrades are added to the list of services in the "Offerings" page.

Viewing historic usage status of metrics

The history usage status of the metrics can be viewed either on "Hourly" or "Monthly" basis.
To view the history of usage status of metrics, follow these steps:

1. In the navigation pane, click "Services".

2. Select the metric of your choice and click ↗

3. Select the tenant of your choice.
The metric data for the selected tenant will be displayed.

4. Select "Hourly" or "Monthly" as per the requirement.
The purchased limits and used limits of all the metrics with the hourly or monthly data of the tenant are displayed as per the selection. Each metric name is followed by its measurement unit displayed in parentheses.

5. To view the status of metrics for a specific month, select the month of your choice in the month picker drop down.
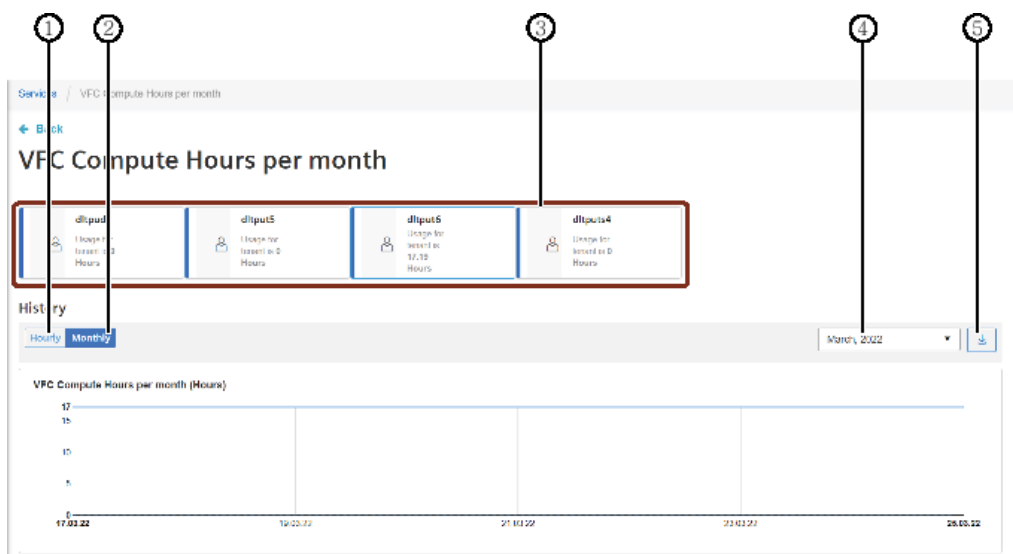
①   Displays the Hourly data of the metric
②   Displays the monthly data of the metric
③   List of all the tenants with the consumption data of the selected metric
④   Month picker to select the required month
⑤   "Export" button creates a .csv file containing the usage status data

- Test tenants are available only for the subscribers of the capability packages.

- Daily aggregated data of "Time series data ingest rate per asset" is available for the last 3 months and up to 7 days data can be retrieved at a time with the latest data from the previous day. The data is available only for export.

- Usage Transparency service aggregates the usage data of one hour and displays this usage data with the timestamp of the next hour. For example: Usage data from 23:00 to 23:59:59 hours of a day will be displayed as 0:00 hours of the next day.

Offerings

<div style="text-align: right; font-size: large;">**5**</div>

5.1 Offerings

"Offerings" allows the users to track usage metrics for their subscribed plans. This chapter provides information on how to view the current as well as past usage status (purchased limits, used limits) of metrics of subscribed plans associated with the tenant. On analyzing the status of metrics, users can manage or upgrade their plans.

Viewing the usage status of metrics

Follow these steps to view the usage status (at the time the user is logged in) of metrics:

1. In the navigation pane, click "Offerings".
The "Offerings" section appears with a list of subscribed plans of the tenant.

2. Select the plan to view its status.
Or

In the search box, enter the plan name, and then select it. In the "Current" tab, purchased limits and used limits of all the metrics of the selected plan are displayed. Each metric name is followed by its measurement unit displayed in parentheses.
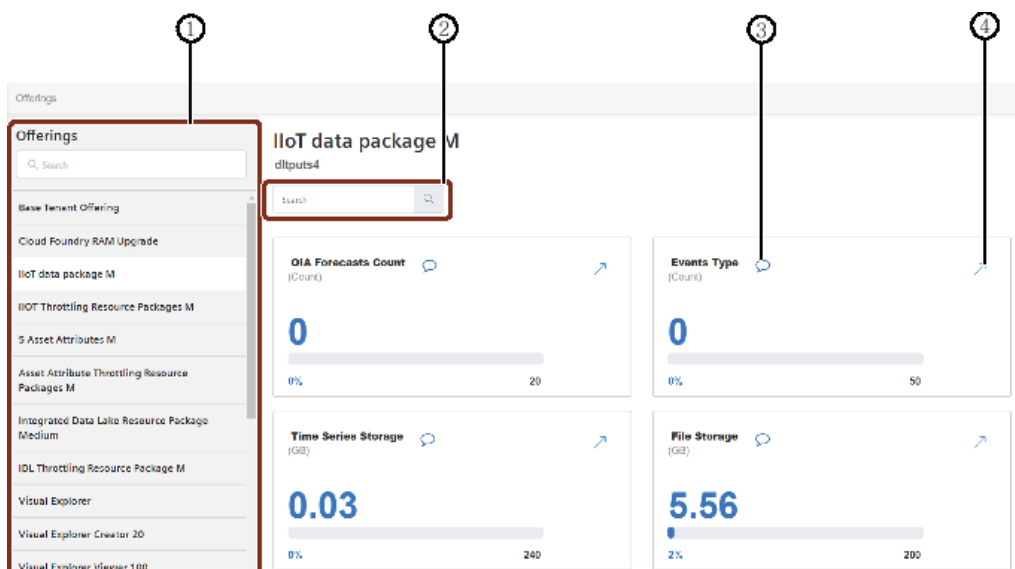
① Offerings section - lists offering services (for example, plans, apps, components, or upgrades) for the tenant

② Search field

③   You can add a comment for later reference

④   Displays the historic data of the metric

Viewing past usage status of metrics

Follow these steps to view the past status of metrics:

1. In the navigation pane, click "Offerings".
The "Offerings" section appears with a list of subscribed plans of the tenant.

2. Select the plan to view its status.
Or
In the search box, enter the plan name, and then select it.
Current status of metrics are displayed.

3. Select the metric and click ↗ .

4. Select the tenant of your choice.
Purchased limits and used limits of all the metrics of the selected plan for the selected tenant are displayed for the current month. Each metric name is followed by its measurement unit displayed in parentheses.

5. To view the status of metrics for a specific month, select the required month from the month picker drop down.

①   Displays the Hourly data of the metric

②   Displays the monthly data of the metric

③   List of all the tenants with the consumption data of the selected metric

④   Month picker to select the required month

⑤   You can add a comment for later reference

Applications

<div style="text-align: right">6</div>

6.1   Applications

"Applications" allows the users to analyze the usage and provides transparency on the selected metrics usage of the application as per the rules configured for the operator applications. This chapter provides information on how to view the metrics usage of the applications sent for billing. On analyzing the metrics usage, users can monitor and control the metrics usage. The following screenshot shows "Applications" user interface for the application operators:
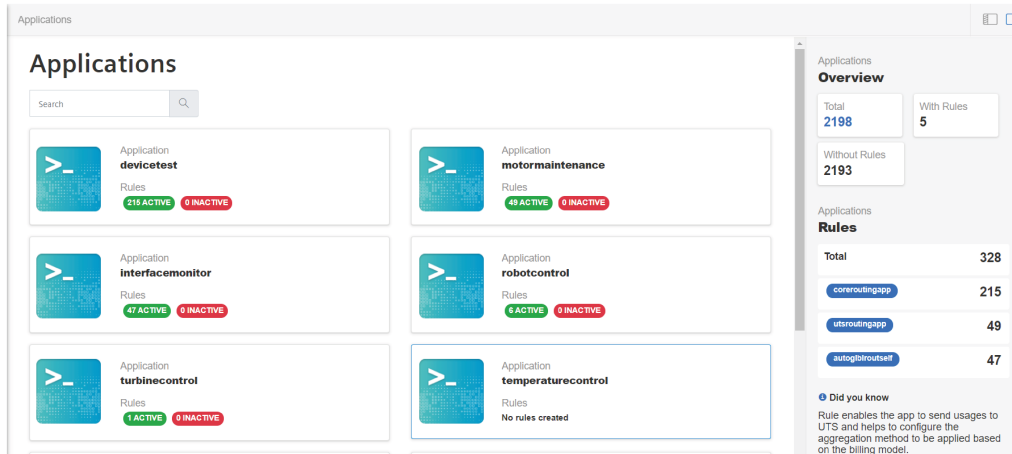
- Rule is a usage metric of an application. Rule enables the application to send usages to UTS and helps to configure the aggregation method to be applied based on the billing model.

- Active rules accept usages and inactive rules do not accept usages for billing.

The "Applications" section supports the below mentioned roles:

- Application Operators: Assign the metric units to application users and view the metric usage data.

- Application Users: View the metric usage data sent for billing.

Assigning the metric units

For the application users to view the billing data, application operator has to assign the metric units to application users.

Follow these steps to assign the metric units from application operator to application users:

1. Click "Applications" in the navigation pane.

The "Applications" section appears with a list of applications hosted in the tenant.

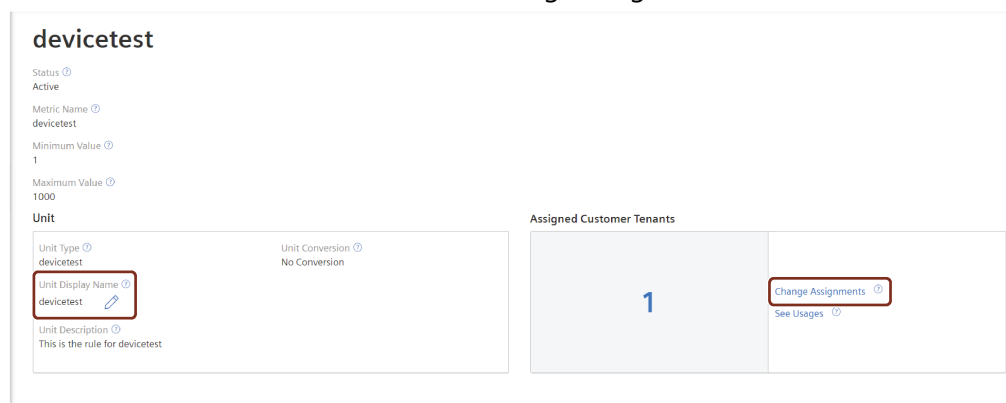2. Select the application and click ↗ in the preview section.

Or

In the search box, enter the application name, select it, and then click ↗ .

> ✏️
>
> If the required application is not available in the list, contact the support team.

3.Select the rule and click ↗   4.Click "Change Assignments".

devicetest

Status ⑦
Active

Metric Name ⑦
devicetest

Minimum Value ⑦
1

Maximum Value ⑦
1000

Unit

Unit Type ⑦   Unit Conversion ⑦
devicetest   No Conversion

Unit Display Name ⑦
devicetest ✎

Unit Description ⑦
This is the rule for devicetest

Assigned Customer Tenants

1   Change Assignments ⑦
         See Usages ⑦

Application operators can also edit the metric "Unit Display Name" for the application users.

> ✏️
>
> Once the Unit Display Name is modified, the rule (metric unit) will be inactive for a minimum of 30 minutes and usages sent during this timeframe will not be accepted and cannot be considered for billing. Hence, ensure to update the display name only during non-business hours.

5.Select the tenants you want to assign the metric unit.
Or
In the search box, enter the tenant name, and then select it.
6.Click "Save".

6.2   Viewing Metric usage data

Metric usage data of an application can be viewed as an application operator and application user (IoT, Premium, Base and Mendix tenants).

# Viewing metric usage data as an application operator

Follow these steps to view the metric usage data:

1. Click "Applications" in the navigation pane.
The "Applications" section appears with a list of applications hosted in the tenant.

2. Select the application and click ↗ in the preview section.
Or

In the search box, enter the application name, select it, and then click ↗ .

3. Select the rule and click ↗ .

4. Click "See Usages".
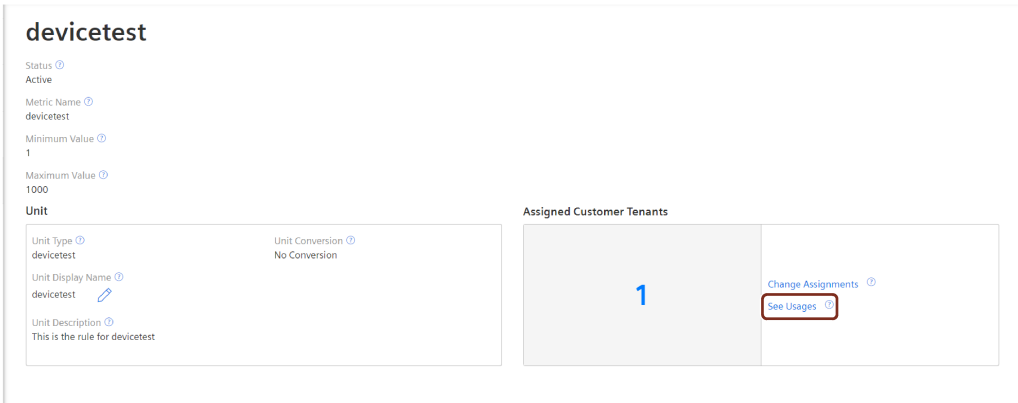
The list of all the provisioned tenants is displayed.
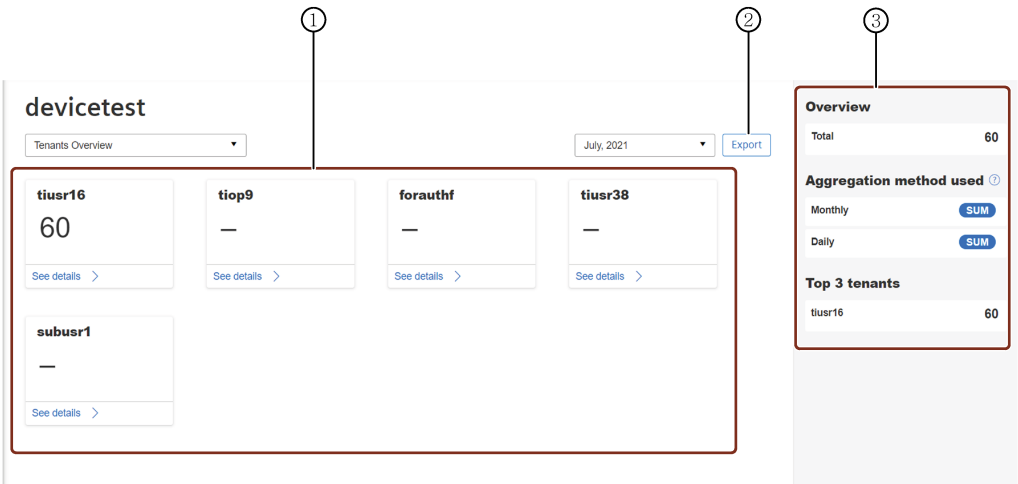
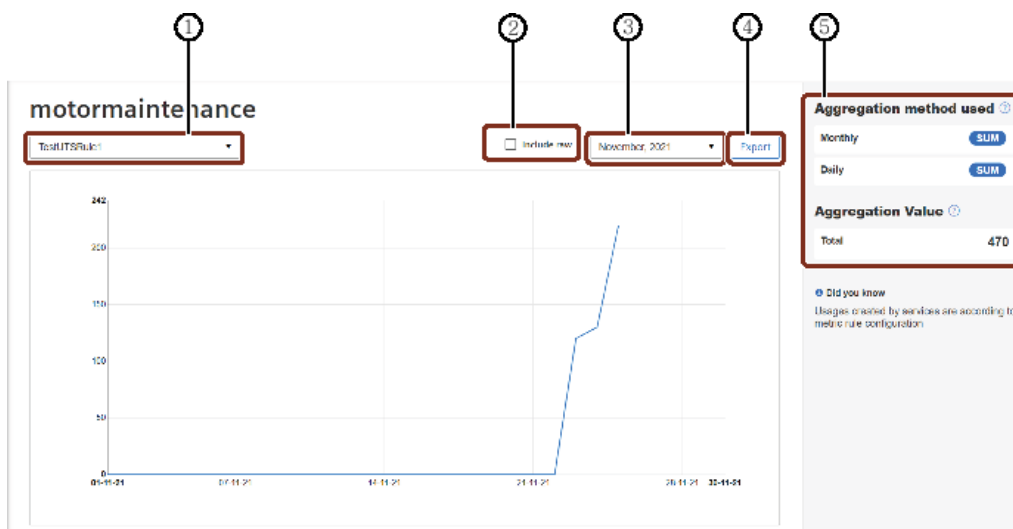① List of all the provisioned tenants

② Generates the monthly usage report of the application users in .csv format

③ Aggregated method used and aggregated value of the rule For more information on the monthly usage report of the application users, refer to the "Export report for application operator" section.

5. Select the required month.

6. Select the tenants and click "See details".

The graph with the metric usage details will be shown.

Currently, it is only possible to view the metric usage graph for the latest 3 months.

①   List of all the provisioned tenants

②   Checkbox to include the raw data

③   Month picker to select the required month

④   Export option to download the .csv report

⑤   Aggregated method used and aggregated value of the tenant

> It takes up to 36 hours for the latest usage data to be displayed on the graph. The data upto latest 3 months will be displayed on the graph. For data older than 3 months, raise the download request to download the data.

Viewing metric usage data as an application user

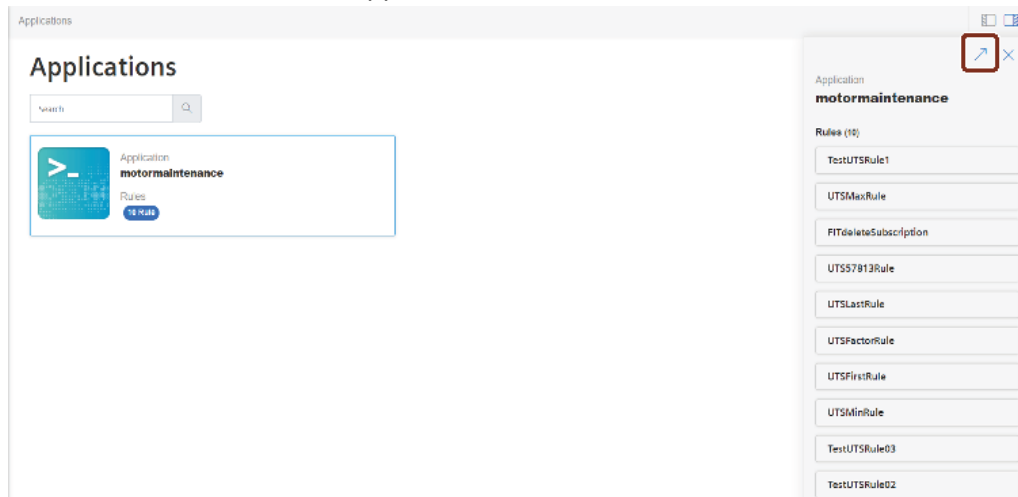Follow these steps to view the metric usage data:

1. Click "Applications" in the navigation pane.

The "Applications" section appears with a list of applications hosted in the tenant.

2. Select the application and click   ↗   in the preview section.

Or

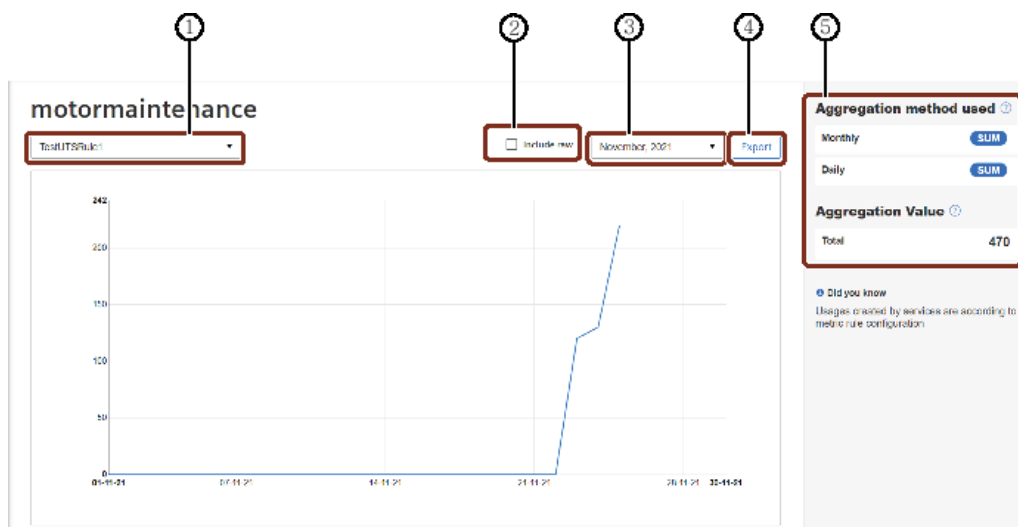In the search box, enter the application name, then select it and click ↗ .

 The list of provisioned metric units (rules) is displayed.

3. Select the required metric unit.

4. Select the required month and click "See details".

The graph with the metric usage details will be shown.

Currently, it is only possible to view the metric usage graph for the latest 3 months.

① Dropdown option to select metric units

② Checkbox to include the raw data

③ Month picker to select the required month

④ Export option to download the .csv report

⑤ Aggregated method used and aggregated value of the rule

Once the usage data is submitted to UTS, it takes up to 36 hours for the usage data to be displayed on the graph. The data upto latest 3 months will be displayed on the graph. For data older than 3 months, raise the download request to download the data.

6.3 Export Data

Applications allows the applications operators and application users to download the usage report of the aggregated and raw data.

Raw export data: Raw export provide the complete usages data with all tags information. This can be considered as a document to validate what usages are received from application.

Aggregate data export: UTS runs aggregation on raw data received from application and aggregated data is sent to SaasMon for billing. This aggregated data can be used to validate if correct data is sent to billing from UTS.

Export the Overall Usage Data report

It is also possible to download the monthly overall usage data of the application users.

> ✏️
>
> Only the application operators can download the overall usage data.

In the tenant details screen, Click "Export" to download the .csv format of the application data. The application operators can find and download the appliaction data for the latest 12 months.
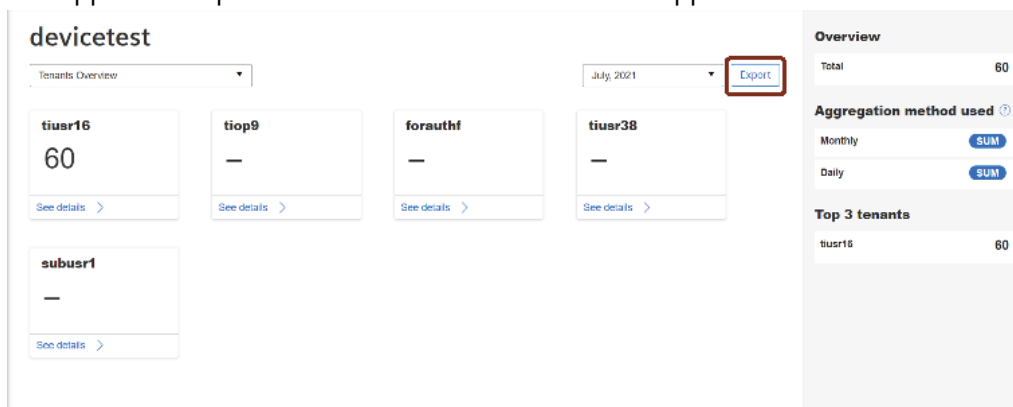
The downloaded .csv file contains the below mentioned details:

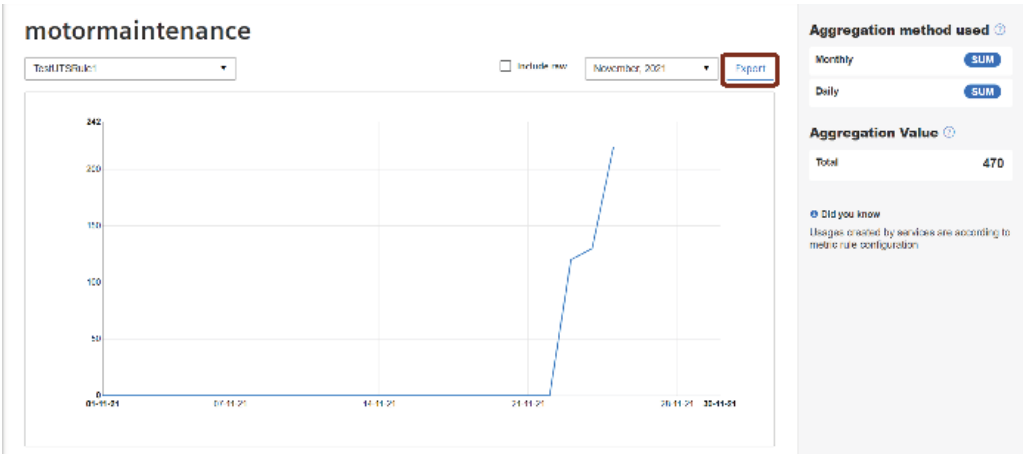| Column name	Description
Month	Month of the application used data
Operator Id	It is the identification code of operator
Tenant Id	It is the identification code of tenant
App Name	Name of the application
Usage Unit Name	Name of the metric unit
Daily Aggregation Method	It is the aggregation method applied for the daily data. (Example:SUM)

Column name	Description
Monthly Aggregation Method	It is the aggregation method applied for the monthly data.(Example: SUM)
Aggregated Usage Value	It is the count of the aggregated usage value used

Export the Data report

It is also possible to download the .csv format of the metric usage unit, click "Export" to download the .csv format of the metric.

> Both the application operators and application users can download the metric usage data.

The downloaded .csv file contains the below mentioned details:

Column name	Description
Date	Date on which the metric unit is used
Operator Id	It is the identification code of operator
Tenant Id	It is the identification code of tenant
App Name	Name of the application
Usage Unit Name	Name of the metric unit

Column name	Description
Resource Name	Name of the resource
Resource Value	It is the resource information of the usage Resource value information is separated by hyphen, if there are more than one values. (Example:C9a5bd5d50614a558a39460fe9b7812c-motor)
Usage Value	It is the count of the usage value used
Usage Created By	It describes how the usages are created It is either by: • Consumer • System based on the configurations made

✏️

Currently, "Usage Created by" is only available in the usage report of the latest 3 months.

To download the usage report older than the latest 3 months, a request has to be made. Click "Request Download" and the download icon displayed next to the rule in the "Recently created downloads" list.

① Provides overall status of the downlaod request

The downloaded .csv file contains the below mentioned details:

Column name	Description
Date	Date on which the metric unit is used
Resource Name	Name of the resource
Rule Name	Name of the rule

Column name	Description
Rule Display Name	Display name of the Rule
Application	Name of the application
Application Type	Type of the application
Operator Id	It is the identification code of operator
Tenant Id	It is the identification code of tenant
User Name	Name of the application user
Usage Value	It is the count of the usage value used

It is also possible to downlaod the raw report of the monthly data of the application usages. The raw report contains the additional custom details of the application usages.

To download the raw report, a request has to be made. In the tenant details screen, select the "Include raw" checkbox, select the month of your choice and click "Request Download" and the download icon displayed next to the rule in the "Recently created downloads" list.

Limitations 7

7.1 Limitations

This chapter lists current limitations of the Usage Transparency application.

Application limitations

The Usage Transparency application does not collect all usages generated within a cloud foundry (this covers all usages during development of an application). As a result, the application does not display these usage details.