System Services

In this article

- [Utility Description](#)
- [Utility Management](#)

The **System Services** section represents a list of all **system utilities** (see screenshot below) and is aimed at providing a possibility to manage and **configure** them as a **user** desires. List of system utilities has the following structure:

Screenshot: System Services section

Column Name	Description
Status	**Status** of the utility. Depending on the icon, the status can be either 🟢 **enabled** or ⚪ **disabled.** To change a utility status, click on the utility name in the table.
Name	**Name** of the utility. The full list of system utilities with their descriptions is provided in a table below
Schedule	**Periodicity** at which each utility is run. *Daemon* services don't have a schedule, *Periodic* are run in a defined period, *Fixed Time* - at predefined timeslots. By clicking the **Run utility** ▶ icon, you **manually** start this utility regardless of its **Schedule** column value (doesn't work for *Daemon Services*).

Allowed Nodes	**Nodes**, at which the service is allowed to run. This parameter is configured only during deployment and is not allowed to be changed by the user
Run Groups	**Run Groups** define, which services may not run in parallel with others. If two services have intersecting groups, the system will not run them simultaneously and will put one of the services in queue
Last Run	**Time** and **date** when the **last run** was initiated
In Queue	If the utility is run manually, **time** and **date** when its launch was initiated will be specified in the column

Utility Description

Group Name	Utility Name	Description
Daemon Services	These utilities do not have a schedule and are automatically run by the system when active	
	AC Manager	Fetches Active Calls for Gateways
	Calculator	Utility that processes all data collected from xDR-files
	Import Manager	Manages rates import process
	Quotas Updater	Utility that performs balances synchronization
	RADIUS Server	RADIUS server process
	Rates Generator	Utility that generates rates, both manually and automatically
	SIP Redirect Server	SIP Redirect server process
Periodic al Services	These utilities are run every defined period of minutes. The period can be up to 60 minutes.	
	AAA Manager	Utility that deletes old AAA sessions and routing results
	Cache Manager	Cache Manager process whose main function is to monitor and include client-related changes for RADIUS and SIP Redirect continuously
	Dynamic Routing Manager	Utility that creates routing tables used in the Dynamic Routing feature
	Email Rates Manager	Utility that imports rate tables updates from emails
	Events Manager	A process that sends events to emails according to *Events Config*
	Files Collector	Utility that controls file collectors
	Files Downloader	Utility that automatically downloads xDR-files from the switch host
	Invoicing Manager	Utility that manages the autoinvoicing feature
	Low Balance Monitoring	Utility that controls the *Low Balance Monitoring* rules and notifies specified Users
	Mail Manager	Sends emails from the mail queue (invoices, notifications, etc.)
	Orig-Term Report Generator	Utility that manages data generation for Orig-Term Report

	Packages Manager	Utility that manages your packages
	Provisionin g Manager	Utility that processes events asynchronously
	Rates Notificator	Utility that notifies clients about rate changes
	Reports Monitoring	Utility that monitors Reports for pre-configured parameters and triggers alerts/actions
	Reports to Email	Utility that sends generated statistic reports by the scheduled time ⓘ Reports that will be sent by **Reports to Email**, will be sent using SMTP credentials specified in the **Reseller**, to which the owner of a **Reports Query** belongs. For Users without Reseller restrictions (super-admins), default system SMTP credentials will be used.
	Rerating Manager	Utility that processes rerating
	Statistics Manager	Utility that manages statistics packages
	Statistics Manager / Meta Info	Gathers meta-information about collected statistics
	Summary	Utility that aggregates *Summary Report*
	Swap Deals Manager	Caches statistics for Swap Deals module, analysis and notifications
	Traffic Rules Manager	Utility that manages all traffic rules in the system
Fixed Time Services		These utilities are run at predefined timeslots
	Backup Manager	Utility that manages system backup processes
	Balances Manager	Creates automatic charges
	Cleaner	Utility that automatically cleans old messages from the *Events Log* section
	Jurisdiction Manager	Generates jurisdiction table from LERG/TMP data sources for US routing
	Log Rotator	Utility that controls log-files

⚠ **Attention**

Please note that if a customer had no assigned **packages**, **accounts**, **presets** or **translations**, and you decided to add one, then RADIUS or SIP Redirect servers will notice those changes only after *Cache Manager* runs and does its job. Please note, that this is only applicable if a customer previously had absolutely no items listed above, in other words, if you add a second account to a customer, then that change will be effective instantly.

Utility Management

You can always configure the run time of any periodical or fixed time utility by clicking a respective name. A pop-up window for utility management has the following structure (see screenshots below):

Screenshot: Periodical service editing

Field	Description
Name	**Name** of the utility
Status	**Status** of the utility: • **Enabled** • **Disabled**
Sched ule	Set **Periodical** to define periodicity further
Period	Define run **period** for the utility. It can not be more than 60 minutes. If you want to use a longer period - use fixed time instead
align to	Align time is used to distribute services running in the same periods. For example, if a **period** is set to 5 min and **align to** is 2, service will be run at XX:02, XX:07, XX:12 and so on

Screenshot: Fixed time service editing

Field	Description
Name	**Name** of the utility
Status	**Status** of the utility: • **Enabled** • **Disabled**
Schedule	Set **Fixed Time** to define a specific run timeslot further
Run at	Set the time to run a utility. You can define multiple times here. The time should be given in system timezone