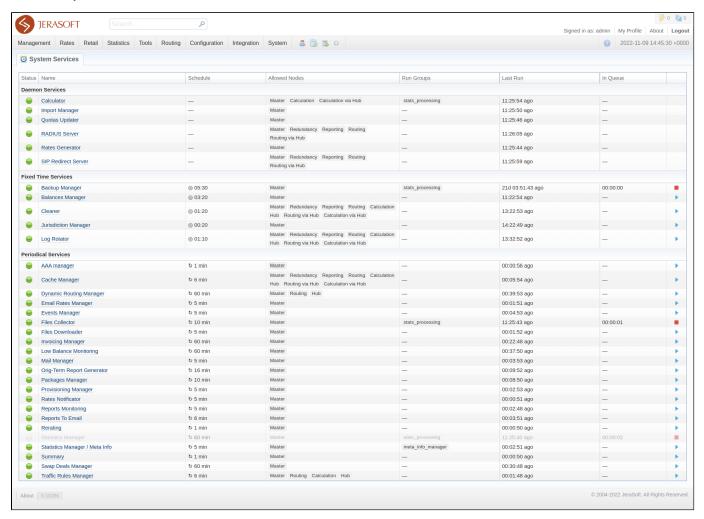
System Services

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 ru them simultaneously and will put one of the services in queue	
Last Run	Time and date when the last run was initiated	
In Queue	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	These utilities are run every defined period of minutes. The period can be up to 60 minutes.				
al Services	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 <i>Reports to Email</i> , will be sent using SMTP credentials specified in the Reseller , to which the owner of a <i>Reports Query</i> 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	These utilities	are run at predefined timeslots
Time Services	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

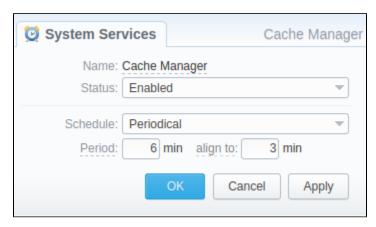


Please note that if a customer had no assigned **packages**, **accounts**, **presets** or **translations**, and you decided to add one, then RADIUS or SIP Redirect servers will notice those changes only after *Cache Manager* runs and does its job. Please note, that this is only applicable if a customer 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

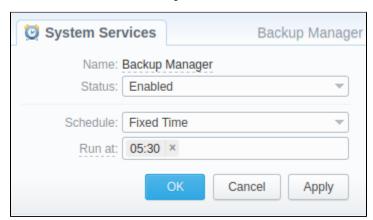
You can always configure the run time of any periodical or fixed time utility by clicking a respective name. A pop-up window for utility management has the following structure (see screenshots below):

Screenshot: Periodical service editing



Field	Description
Name	Name of the utility
Status	Status of the utility: • Enabled • Disabled
Sched ule	Set <i>Periodical</i> 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 <i>Fixed Time</i> 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	