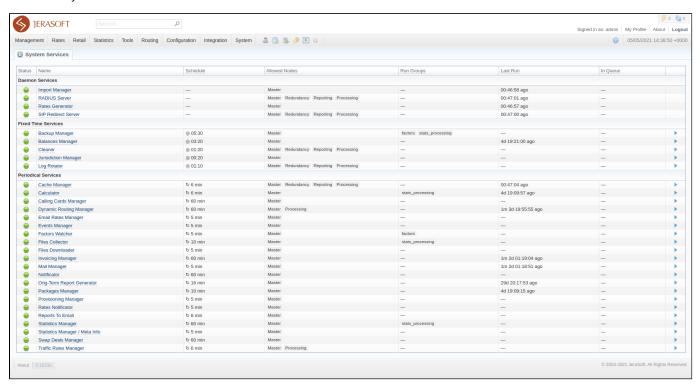
System Services

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The **System Services** section represents a list of all **system utilities** (see screenshot below) and is aimed at providing a possibility to manage and **config ure** 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	Utility	Description			
Name	Name				
Daemon Services	These utilities do not have a schedule and are automatically run by the system when active				
	RADIUS Server	RADIUS server process			
	SIP Redirect Server	SIP Redirect server process			
	Import Manager	Manages rates import process			
	Rates Generator	Utility that generates rates, both manually and automatically			
Periodic al	These utilities are run with a defined period in minutes. The period can be up to 60 minutes				
Services	Cache Manager	Cache Manager process whose main function is to monitor and include client-related changes for RADIUS and SIP Redirect continuously			
	Calculator	Utility that processes all data collected from xDR-files			
	Calling Card Manager	Calling Cards manager process			
	Dynamic Routing Manager	Utility that creates routing tables used in Dynamic Routing feature			
	Email Rates Manager	Utility that imports rate tables updates from emails			
	Events Manager	Process that sends events to emails according to Events Config			
	Provisionin g Manager	Utility that processes events asynchronously			
	Factors Watcher	Utility that controls the Factors Watcher tool			
	Files Collector	Utility that controls file collectors			
	Files Downloader	Utility that automatically downloads xDR-files from switch host			
	Invoicing Manager	Utility that manages the autoinvoicing feature			
	Mail Manager	Sends emails from mail queue (invoices, notifications, etc.)			
	Statistics meta info manager	Gathers meta-information about collected statistics			
	Notificator	Notifies in case of a low balance or HDD space events			
	Packages Manager	Utility that manages your packages			
	Rates Notificator	Utility that notifies clients about rate changes			
	Orig-Term Report Generator	Utility that manages data generation for Orig-Term Report			

	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 owner of a <i>Reports Query</i> belongs. For Users without Reseller restrictions (super-admins), default system SMTP credentials will be used.	
	Statistics Manager	Utility that manages statistics packages	
	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	

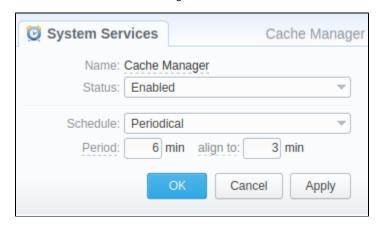
Attention

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):

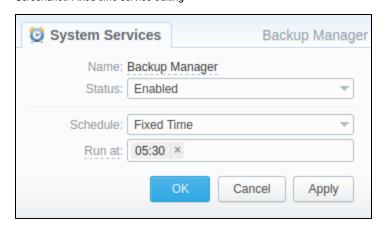
Screenshot: Periodical service editing



Field	Description
Name	Name of the utility
Status	Status of the utility:
	Enabled Disabled

Sched ule	Set <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 <i>period</i> is set to 5 min and <i>align to</i> 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	