

Monitoring system

Information on how we make sure that your instances are monitored.

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Monitoring our infrastructure with Zabbix

A server monitoring system is an essential tool for any managed infrastructure and hosting company. It allows us to monitor the performance and availability of servers, services, and applications. In today's fast-paced digital environment, downtime or performance issues can have a significant impact on the productivity of your team members. A robust server monitoring system like Zabbix is crucial to ensuring the quality of service provided to our Subscribers.

Why is server monitoring important?

Server monitoring is crucial for ensuring the availability and performance of critical systems and services. A server monitoring system like Zabbix allows us to:

- Track server and service uptime to ensure high availability and minimize downtime.
- Monitor resource usage to identify potential bottlenecks and allocate resources efficiently.
- Diagnose and troubleshoot issues before they affect users and impact business operations.
- Identify trends and make data-driven decisions to improve system performance and optimize resource usage.
- Ensure compliance with regulatory requirements and security standards.

The screenshot displays the Zabbix 'Availability report' for the host 'zabbix_server'. The interface includes a navigation sidebar on the left with options like Monitoring, Inventory, Reports, Support, Share, Help, User settings, and Sign out. The main content area shows a table of system alerts. The table has columns for Host, Name, Problems, Ok, and Graph. The 'Problems' column shows 0.0017% and the 'Ok' column shows 99.9983%. The 'Name' column lists various system alerts such as 'MySQL: Number of internal temporary tables created per second is high', 'PHP-FPM: Detected slow requests', and 'bareos-filedaemon.service: Service is not running'.

Host	Name	Problems	Ok	Graph
	MySQL: Number of internal temporary tables created per second is high (over {MYSQL.CREATED_TMP_TABLES.MAX.WARN} for 5m)		100.0000%	Show
	MySQL: Number of on-disk temporary tables created per second is high (over {MYSQL.CREATED_TMP_DISK_TABLES.MAX.WARN} for 5m)	0.0017%	99.9983%	Show
	PHP-FPM: Detected slow requests		100.0000%	Show
	PHP-FPM: has been restarted (uptime < 10m)		100.0000%	Show
	PHP-FPM: Version has changed (new version: *UNKNOWN*)		100.0000%	Show
	bareos-filedaemon.service: Service is not running		100.0000%	Show
	cloud-init-local.service: Service is not running		100.0000%	Show
	/: Disk space is critically low (used > {SVFS.FS.PUSED.MAX.CRIT}%)		100.0000%	Show
	/: Disk space is low (used > {SVFS.FS.PUSED.MAX.WARN}%)		100.0000%	Show
	/: Running out of free inodes (free < {SVFS.FS.INODE.PFREE.MIN.CRIT}%)		100.0000%	Show
	/: Running out of free inodes (free < {SVFS.FS.INODE.PFREE.MIN.WARN}%)		100.0000%	Show
	interface eth0: Link down		100.0000%	Show
	mysql.service: Service is not running		100.0000%	Show
	avahi-daemon.service: has been restarted (uptime < 10m)		100.0000%	Show
	lxcds.service: has been restarted (uptime < 10m)		100.0000%	Show

What is Zabbix?

Zabbix is an open-source enterprise-class monitoring solution that provides comprehensive monitoring for servers, applications, and network devices. It collects data from different sources, such as system logs, SNMP traps, and application metrics, which are then analyzed and displayed in real-time on a dashboard. Zabbix allows us to monitor system resources and service availability, track system performance metrics, diagnose and troubleshoot issues before they become critical, and improve service quality for our clients.