

Zabbix agent 2

Item keys

The table provides details on the item keys that you can use with Zabbix agent 2 only.

Parameters without angle brackets are mandatory. Parameters marked with angle brackets < > are optional.

Key			
Description	Return value	Parameters	Comments
docker.container_info [<ID>]			
Low-level information about a container.	An output of the ContainerInspect API call serialized as JSON	ID — ID or name of the container	This item is supported since Zabbix 5.0.0 for the Docker plugin.
docker.container_stats [<ID>]			
Container resource usage statistics.	An output of the ContainerStats API call serialized as JSON	ID — ID or name of the container	This item is supported for the Docker plugin.
docker.containers			
A list of containers.	An output of the ContainerList API call serialized as JSON	-	This item is supported for the Docker plugin.
docker.containers.discovery			
A list of containers. Used for low-level discovery .	JSON object.	-	This item is supported for the Docker plugin.
docker.data_usage			
Information about current data usage.	An output of the SystemDataUsage API call serialized as JSON	-	This item is supported for the Docker plugin.
docker.images			
A list of images.	An output of the ImageList API call serialized as JSON	-	This item is supported for the Docker plugin.
docker.images.discovery			
A list of images. Used for low-level discovery .	JSON object.	-	This item is supported for the Docker plugin.
docker.info			
System information.	An output of the SystemInfo API call serialized as JSON	-	This item is supported for the Docker plugin.
docker.ping			
Test if a Docker daemon is alive or not.	1 - connection is alive 0 - connection is broken	-	This item is supported for the Docker plugin.
memcached.ping[<connString>,<user>,<password>]			

Key			
Description	Return value	Parameters	Comments
Test if a connection is alive or not.	1 - connection is alive 0 - connection is broken (if there is any error presented including AUTH and configuration issues)	connString - URI or session name.	This item is supported for the Memcached plugin.
memcached.stats[<connString>,<user>,<password>,<type>]			
Gets the output of the STATS command.	JSON - output is serialized as JSON	connString - URI or session name. user , password - Memcached login credentials. type - stat type to be returned: items, sizes, slabs or settings (empty by default, returns general statistics).	This item is supported for the Memcached plugin.
mysql.db.discovery[<connString>, <username>, <password>]			
List of MySQL databases. Used for low-level discovery .	Result of the "show databases" SQL query in LLD JSON format.	connString - URI or session name. username , password - MySQL login credentials.	This item is supported for the MySQL plugin.
mysql.db.size[<connString>, <username>, <password>,<dbName>]			
Database size in bytes.	Result of the "select coalesce(sum(data_length + index_length),0) as size from information_schema.tables where table_schema=?" SQL query for specific database in bytes.	connString - URI or session name. username , password - MySQL login credentials. dbName - Database name.	This item is supported for the MySQL plugin.
mysql.get_status_variables[<connString>, <username>, <password>]			
Database size in bytes.	Result of the "select coalesce(sum(data_length + index_length),0) as size from information_schema.tables where table_schema=?" SQL query for specific database in bytes.	connString - URI or session name. username , password - MySQL login credentials.	This item is supported for the MySQL plugin.
mysql.ping[<connString>, <username>, <password>]			

Key			
Description	Return value	Parameters	Comments
Test if a connection is alive or not.	1 - connection is alive 0 - connection is broken (if there is any error presented including AUTH and configuration issues).	connString - URI or session name. username , password - MySQL login credentials.	This item is supported for the MySQL plugin.
mysql.replication.discovery[<connString>, <username>, <password>]			
List of MySQL replications. Used for low-level discovery .	Result of the "show slave status" SQL query in LLD JSON format.	connString - URI or session name. username , password - MySQL login credentials.	This item is supported for the MySQL plugin.
mysql.replication.get_slave_status[<connString>, <username>, <password>, <masterHost>]			
Replication status.	Result of the "show slave status" SQL query in JSON format.	connString - URI or session name. username , password - MySQL login credentials. masterHost - Replication master host name.	This item is supported for the MySQL plugin.
mysql.version[<connString>, <username>, <password>]			
MySQL version.	String with MySQL instance version.	connString - URI or session name. username , password - MySQL login credentials.	This item is supported for the MySQL plugin.
pgsql.autovacuum.count[<uri>, <username>, <password>, <dbName>]			
The number of autovacuum workers.	SQL query.	uri - URI or session name. username , password - PostgreSQL credentials. dbName - Database name.	This item is supported since Zabbix 5.0.1 for the PostgreSQL plugin.
pgsql.archive[<uri>, <username>, <password>, <dbName>]			
Information about archived files.	SQL query in JSON format.	uri - URI or session name. username , password - PostgreSQL credentials. dbName - Database name.	Returned data are processed by dependent items: pgsql.archive.count_archived_files - the number of WAL files that have been successfully archived. pgsql.archive.failed_trying_to_archive - the number of failed attempts for archiving WAL files. pgsql.archive.count_files_to_archive - the number of files to archive. pgsql.archive.size_files_to_archive - the size of files to archive. This item is supported since Zabbix 5.0.1 for the PostgreSQL plugin.
pgsql.bgwriter[<uri>, <username>, <password>, <dbName>]			

Key			
Description	Return value	Parameters	Comments
Combined number of checkpoints for the database cluster, broken down by checkpoint type.	SQL query in JSON format.	uri - URI or session name. username, password - PostgreSQL credentials. dbName - Database name.	Returned data are processed by dependent items: pgsql.bgwriter.buffers_alloc - the number of buffers allocated. pgsql.bgwriter.buffers_backend -the number of buffers written directly by a backend. pgsql.bgwriter.maxwritten_clean - the number of times the background writer stopped a cleaning scan, because it had written too many buffers. pgsql.bgwriter.buffers_backend_fsync -the number of times a backend had to execute its own fsync call instead of the background writer. pgsql.bgwriter.buffers_clean - the number of buffers written by the background writer. pgsql.bgwriter.buffers_checkpoint - the number of buffers written during checkpoints. pgsql.bgwriter.checkpoints_timed - the number of scheduled checkpoints that have been performed. pgsql.bgwriter.checkpoints_req - the number of requested checkpoints that have been performed. pgsql.bgwriter.checkpoint_write_time - the total amount of time spent in the portion of checkpoint processing where files are written to disk, in milliseconds. pgsql.bgwriter.sync_time - the total amount of time spent in the portion of checkpoint processing where files are synchronized with disk. This item is supported since Zabbix 5.0.1 for the PostgreSQL plugin.
pgsql.cache.hit[<uri>,<username>,<password>,<dbName>]			
PostgreSQL buffer cache hit rate.	SQL query in percentage.	uri - URI or session name. username, password - PostgreSQL credentials. dbName - Database name.	This item is supported since Zabbix 5.0.1 for the PostgreSQL plugin.
pgsql.connections[<uri>,<username>,<password>,<dbName>]			

Key			
Description	Return value	Parameters	Comments
Connections by type.	JSON object.	uri - URI or session name. username, password - PostgreSQL credentials. dbName - Database name.	Returned data are processed by dependent items: pgsql.connections.active - the backend is executing a query. pgsql.connections.fastpath_function_call -the backend is executing a fast-path function. pgsql.connections.idle - the backend is waiting for a new client command. pgsql.connections.idle_in_transaction - the backend is in a transaction, but is not currently executing a query. pgsql.connections.prepared - the number of prepared connections. pgsql.connections.total - the total numer of connections. pgsql.connections.total_pct - percantange of total connections in respect to 'max_connections' setting of the PostgreSQL server. pgsql.connections.waiting - number of connections in a query. pgsql.connections.idle_in_transaction_aborted - the backend is in a transaction, but is not currently executing a query and one of the statements in the transaction caused an error. This item is supported since Zabbix 5.0.1 for the PostgreSQL plugin.
pgsql.dbstat[<uri>,<username>,<password>, dbName]			

Key			
Description	Return value	Parameters	Comments
<p>Collects statistics per database. Used for low-level discovery.</p>	<p>SQL query in JSON format.</p>	<p>uri - URI or session name. username, password - PostgreSQL credentials. dbName - Database name.</p>	<p>Returned data are processed by dependent items: pgsql.dbstat.numbackends["{#DBNAME}"] - time spent reading data file blocks by backends in this database, in milliseconds. pgsql.dbstat.sum.blk_read_time["{#DBNAME}"] - time spent reading data file blocks by backends in this database, in milliseconds. pgsql.dbstat.sum.blk_write_time["{#DBNAME}"] - time spent writing data file blocks by backends in this database, in milliseconds. pgsql.dbstat.sum.checksum_failures["{#DBNAME}"] - the number of data page checksum failures detected (or on a shared object), or NULL if data checksums are not enabled.(PostgreSQL version 12 only) pgsql.dbstat.blks_read.rate["{#DBNAME}"] - the number of disk blocks read in this database. pgsql.dbstat.deadlocks.rate["{#DBNAME}"] - the number of deadlocks detected in this database. pgsql.dbstat.blks_hit.rate["{#DBNAME}"] - the number of times disk blocks were found already in the buffer cache, so that a read was not necessary (this only includes hits in the PostgreSQL Pro buffer cache, not the operating system's file system cache). pgsql.dbstat.xact_rollback.rate["{#DBNAME}"] - the number of transactions in this database that have been rolled back. pgsql.dbstat.xact_commit.rate["{#DBNAME}"] - the number of transactions in this database that have been committed. pgsql.dbstat.tup_updated.rate["{#DBNAME}"] - the number of rows updated by queries in this database. pgsql.dbstat.tup_returned.rate["{#DBNAME}"] - the number of rows returned by queries in this database. pgsql.dbstat.tup_inserted.rate["{#DBNAME}"] - the number of rows inserted by queries in this database. pgsql.dbstat.tup_fetched.rate["{#DBNAME}"] - the number of rows fetched by queries in this database. pgsql.dbstat.tup_deleted.rate["{#DBNAME}"] - the number of rows deleted by queries in this database. pgsql.dbstat.conflicts.rate["{#DBNAME}"] - the number of queries canceled due to conflicts with recovery in this database (the conflicts occur only on standby servers). pgsql.dbstat.temp_files.rate["{#DBNAME}"] - the number of temporary files created by queries in this database. All temporary files are counted, regardless of the log_temp_files settings and reasons for which the temporary file was created (e.g., sorting or hashing). pgsql.dbstat.temp_bytes.rate["{#DBNAME}"] - the total amount of data written to temporary files by queries in this database. Includes data from all temporary files, regardless of the log_temp_files settings and reasons for which the temporary file was created (e.g., sorting or hashing).</p> <p>This item is supported since Zabbix 5.0.1 for the PostgreSQL plugin.</p>
<p>pgsql.dbstat.sum[<uri>,<username>,<password>, <dbName>]</p>			

Key			
Description	Return value	Parameters	Comments
Summarized data for all databases in a cluster.	SQL query in JSON format.	uri - URI or session name. username, password - PostgreSQL credentials. dbName - Database name.	Returned data are processed by the dependent items: pgsql.dbstat.numbackends - the number of backends currently connected to this database. pgsql.dbstat.sum.blk_read_time - time spent reading data file blocks by backends in this database, in milliseconds. pgsql.dbstat.sum.blk_write_time - time spent writing data file blocks by backends in this database, in milliseconds. pgsql.dbstat.sum.checksum_failures - the number of data page checksum failures detected (or on a shared object), or NULL if data checksums are not enabled (PostgreSQL version 12 only). pgsql.dbstat.sum.xact_commit - the number of transactions in this database that have been committed. pgsql.dbstat.sum.conflicts - database statistics about query cancels due to conflict with recovery on standby servers. pgsql.dbstat.sum.deadlocks - the number of deadlocks detected in this database. pgsql.dbstat.sum.blks_read - the number of disk blocks read in this database. pgsql.dbstat.sum.blks_hit - the number of times disk blocks were found already in the buffer cache, so a read was not necessary (only hits in the PostgreSQL Pro buffer cache are included). pgsql.dbstat.sum.temp_bytes - the total amount of data written to temporary files by queries in this database. Includes data from all temporary files, regardless of the log_temp_files settings and reasons for which the temporary file was created (e.g., sorting or hashing). pgsql.dbstat.sum.temp_files - the number of temporary files created by queries in this database. All temporary files are counted, regardless of the log_temp_files settings and reasons for which the temporary file was created (e.g., sorting or hashing). pgsql.dbstat.sum.xact_rollback - the number of rolled-back transactions in this database. pgsql.dbstat.sum.tup_deleted - the number of rows deleted by queries in this database. pgsql.dbstat.sum.tup_fetched - the number of rows fetched by queries in this database. pgsql.dbstat.sum.tup_inserted - the number of rows inserted by queries in this database. pgsql.dbstat.sum.tup_returned - the number of rows returned by queries in this database. pgsql.dbstat.sum.tup_updated - the number of rows updated by queries in this database. This item is supported since Zabbix 5.0.1 for the PostgreSQL plugin.
pgsql.db.age[<uri>,<username>,<password>,<dbName>]			
Age of the oldest FrozenXID of the database. Used for low-level discovery .	SQL query for specific database in transactions.	uri - URI or session name. username, password - PostgreSQL credentials. dbName - Database name.	This item is supported since Zabbix 5.0.1 for the PostgreSQL plugin.

Key			
Description	Return value	Parameters	Comments
pgsql.db.bloating_tables[<uri>,<username>,<password>,<dbName>]			
The number of bloating tables per database. Used for low-level discovery .	SQL query.	uri - URI or session name. username , password - PostgreSQL credentials. dbName - Database name.	This item is supported since Zabbix 5.0.1 for the PostgreSQL plugin.
pgsql.db.discovery[<uri>,<username>,<password>,<dbName>]			
List of the PostgreSQL databases. Used for low-level discovery .	SQL query in the LLD JSON format.	uri - URI or session name. username , password - PostgreSQL credentials. dbName - Database name.	This item is supported since Zabbix 5.0.1 for the PostgreSQL plugin.
pgsql.db.size[<uri>,<username>,<password>,<dbName>]			
Database size in bytes. Used for low-level discovery .	SQL query for specific database in bytes.	uri - URI or session name. username , password - PostgreSQL credentials. dbName - Database name.	This item is supported since Zabbix 5.0.1 for the PostgreSQL plugin.
pgsql.locks[<uri>,<username>,<password>,<dbName>]			
Information about granted locks per database. Used for low-level discovery .	SQL query in JSON format.	uri - URI or session name. username , password - PostgreSQL credentials. dbName - Database name.	Returned data are processed by dependent items: pgsql.locks.shareupdateexclusive["{#DBNAME}"] - the number of share update exclusive locks. pgsql.locks.accessexclusive["{#DBNAME}"] - the number of access exclusive locks. pgsql.locks.accessshare["{#DBNAME}"] - the number of access share locks. pgsql.locks.exclusive["{#DBNAME}"] - the number of exclusive locks. pgsql.locks.rowexclusive["{#DBNAME}"] - the number of row exclusive locks. pgsql.locks.rowshare["{#DBNAME}"] - the number of row share locks. pgsql.locks.share["{#DBNAME}"] - the number of shared locks. pgsql.locks.sharerowexclusive["{#DBNAME}"] - the number of share row exclusive locks. This item is supported since Zabbix 5.0.1 for the PostgreSQL plugin.
pgsql.oldest.xid[<uri>,<username>,<password>,<dbName>]			

Key			
Description	Return value	Parameters	Comments
Age of the oldest XID.	SQL query.	uri - URI or session name. username, password - PostgreSQL credentials. dbName - Database name.	This item is supported since Zabbix 5.0.1 for the PostgreSQL plugin.
pgsql.ping[<uri>,<username>,<password>, <dbName>]			
Tests whether a connection is alive or not.	1 - connection is alive 0 - connection is broken (if there is any error presented including AUTH and configuration issues).	uri - URI or session name. username, password - PostgreSQL credentials. dbName - Database name.	This item is supported since Zabbix 5.0.1 for the PostgreSQL plugin.
pgsql.replication.count[<uri>,<username>,<password>, <dbName>]			
The number of standby servers.	SQL query.	uri - URI or session name. username, password - PostgreSQL credentials. dbName - Database name.	This item is supported since Zabbix 5.0.1 for the PostgreSQL plugin.
pgsql.replication.recovery_role[<uri>,<username>,<password>, <dbName>]			
Recovery status.	0 - master mode 1 - recovery is still in progress (standby mode)	uri - URI or session name. username, password - PostgreSQL credentials. dbName - Database name.	This item is supported since Zabbix 5.0.1 for the PostgreSQL plugin.
pgsql.replication.status[<uri>,<username>,<password>, <dbName>]			
The status of replication.	0 - streaming is down 1 - streaming is up 2 - master mode	uri - URI or session name. username, password - PostgreSQL credentials. dbName - Database name.	This item is supported since Zabbix 5.0.1 for the PostgreSQL plugin.
pgsql.replication_lag.b[<uri>,<username>,<password>, <dbName>]			
Replication lag in bytes.	SQL query in bytes.	uri - URI or session name. username, password - PostgreSQL credentials. dbName - Database name.	This item is supported since Zabbix 5.0.1 for the PostgreSQL plugin.

Key			
Description	Return value	Parameters	Comments
pgsql.replication_lag.sec[<uri>,<username>,<password>,<dbName>]			
Replication lag in seconds.	SQL query in seconds.	uri - URI or session name. username, password - PostgreSQL credentials. dbName - Database name.	This item is supported since Zabbix 5.0.1 for the PostgreSQL plugin.
pgsql.uptime[<uri>,<username>,<password>,<dbName>]			
PostgreSQL uptime in milliseconds.	SQL query in milliseconds.	uri - URI or session name. username, password - PostgreSQL credentials. dbName - Database name.	This item is supported since Zabbix 5.0.1 for the PostgreSQL plugin.
pgsql.wal.stat[<uri>,<username>,<password>,<dbName>]			
WAL statistics.	SQL query in JSON format.	uri - URI or session name. username, password - PostgreSQL credentials. dbName - Database name.	Returned data are processed by dependent items: pgsql.wal.count — the number of WAL files. pgsql.wal.write - the WAL Isn used (in bytes). This item is supported since Zabbix 5.0.1 for the PostgreSQL plugin.
redis.config[<connString>,<password>,<pattern>]			
Gets the configuration parameters of a Redis instance that match the pattern.	JSON - if a glob-style pattern was used single value - if a pattern did not contain any wildcard character	connString - URI or session name. password - Redis password. pattern - glob-style pattern (* by default).	This item is supported since Zabbix 4.4.5 for the Redis plugin.
redis.info[<connString>,<password>,<section>]			
Gets the output of the INFO command.	JSON - output is serialized as JSON	connString - URI or session name. password - Redis password. section - section of information (<i>default</i> by default).	This item is supported since Zabbix 4.4.5 for the Redis plugin.
redis.ping[<connString>,<password>]			

Key			
Description	Return value	Parameters	Comments
Test if a connection is alive or not.	1 - connection is alive 0 - connection is broken (if there is any error presented including AUTH and configuration issues)	connString - URI or session name. password - Redis password.	This item is supported since Zabbix 4.4.5 for the Redis plugin.
redis.slowlog.count[<connString>,<password>]			
The number of slow log entries since Redis was started.	Integer	connString - URI or session name. password - Redis password.	This item is supported since Zabbix 4.4.5 for the Redis plugin.
systemd.unit.info[<unit name>,<property>,<interface>]			
Systemd unit information.	String	unit name - unit name (you may want to use the <code>{#UNIT.NAME}</code> macro in item prototype to discover the name) property - unit property (e.g. <code>ActiveState</code> (default), <code>LoadState</code> , <code>Description</code>) interface - unit interface type (e.g. <code>Unit</code> (default), <code>Socket</code> , <code>Service</code>)	This item allows to retrieve a specific property from specific type of interface as described in dbus API . This item is only supported in Zabbix agent 2. This item is supported on Linux platform only. Examples: ⇒ <code>systemd.unit.info["{#UNIT.NAME}"]</code> - collect active state (active, reloading, inactive, failed, activating, deactivating) info on discovered systemd units ⇒ <code>systemd.unit.info["{#UNIT.NAME}",LoadState]</code> - collect load state info on discovered systemd units ⇒ <code>systemd.unit.info[mysqld.service,Id]</code> - retrieve service technical name (mysqld.service) ⇒ <code>systemd.unit.info[mysqld.service,Description]</code> - retrieve service description (MySQL Server) ⇒ <code>systemd.unit.info[mysqld.service,ActiveEnterTimestamp]</code> - retrieve the last time the service entered the active state (1562565036283903) ⇒ <code>systemd.unit.info[dbus.socket,NConnections,Socket]</code> - collect the number of connections from this socket unit
systemd.unit.discovery[<type>]			
List of systemd units and their details. Used for low-level discovery .	JSON object	type - possible values: <i>all, automount, device, mount, path, service</i> (default), <i>socket, swap, target</i>	This item is only supported in Zabbix agent 2. This item is supported on Linux platform only.

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