

Insight OS tables

- [PW_PWII_INSTANCE_ID](#)
- [PW_OSST_SERVER_STAT_VIEW_T](#)
- [PW_OSSG_SERVER_GRP](#)
- [PW_OSUG_USER_GRP](#)
- [PW_OSAN_PUB_APP_N](#)
- [PW_OSSN_APP_USER_N](#)
- [PW_OSIN_CLIENT_IP_N](#)
- [PW_OSCN_CLIENT_N](#)
- [PW_OSPG_PROGRAM_GRP](#)
- [PW_OSTG_PATH_GRP](#)
- [PW_OSUN_USER_N](#)
- [PW_OSPN_PROGRAM_N](#)
- [PW_OSTN_PATH_N](#)
- [PW_OSSS_SRV_STATISTICS_T](#)
- [PW_OSPS_PROC_STATISTICS_T](#)
- [PW_OSLN_LCPU_STATISTICS_T](#)
- [PW_OSLN_LCPU_N](#)
- [PW_OSCS_CITRIX_STATISTICS_T](#)

PW_PWII_INSTANCE_ID

Defines the instances in the Precise installation.

Column Name	Column Description
PWII_ID	ID of the instance. Columns of XXXX_PWII_INSTANCE_ID have values from the column.
PWII_INSTANCE_NAME	Name of the instance.
PWII_TECHNOLOGY	Two characters defining the technology of the instance (such as OR for Oracle and JE for J2EE).
PWII_SERVER	Name of the server on which the instance is installed.

PW_OSST_SERVER_STAT_VIEW_T

The server load information summarized by each aggregated invocation.

Column Name	Column Description
OSST_TIMESTAMP	The time summary.
OSST_PWII_INSTANCE	The ID of the instance.
OSST_LOAD_Q_AVG	The average length of the OS CPU on the server.

PW_OSSG_SERVER_GRP

The process statistics server group table.

Column Name	Column Description
OSSG_INCE_ID	The ID of the server.
OSSG_INGD_ID	The ID of the server group running the OS process.

PW_OSUG_USER_GRP

The process statistics user group table.

Column Name	Column Description
OSUG_OSUN_ID	The ID of the user.
OSUG_INGD_ID	The ID of the user group running the OS process.

PW_OSAN_PUB_APP_N

The Citrix application normalization table.

Column Name	Column Description
OSAN_ID	The ID of the Citrix application.
OSAN_STRING_VALUE	The name of the Citrix application running the OS process.

PW_OSSN_APP_USER_N

The Citrix user normalization table.

Column Name	Column Description
OSSN_ID	The ID of the Citrix user.
OSSN_STRONG_VALUE	The name of the Citrix user running the OS process.

PW_OSIN_CLIENT_IP_N

The Citrix client IP normalization table.

Column Name	Column Description
OSIN_ID	The ID of the Citrix client IP.
OSIN_STRING_VALUE	The name of the Citrix client IP running the OS process.

PW_OSCN_CLIENT_N

The Citrix client normalization table.

Column Name	Column Description
OSCN_ID	The ID of the Citrix client.
OSCN_STRING_VALUE	The name of the Citrix client running the OS process.

PW_OSPG_PROGRAM_GRP

The process statistics program group table.

Column Name	Column Description
OSPG_OSPN_ID	The ID of the program.
OSPG_INGD_ID	The ID of the program group running the OS process.

PW_OSTG_PATH_GRP

The process statistics command group table.

Column Name	Column Description
OSTG_OSTN_ID	The ID of the command.
OSTG_INGD_ID	The ID of the command group running the OS process.

PW_OSUN_USER_N

The process statistics user normalization table.

Column Name	Column Description
OSUN_ID	The ID of the user.
OSUN_STRING_VALUE	The name of the user running the OS process.

PW_OSPN_PROGRAM_N

The process statistics program normalization table.

Column Name	Column Description
OSPN_ID	The ID of the program.
OSPN_STRING_VALUE	The name of the program running the OS process.

PW_OSTN_PATH_N

The process statistics command normalization table.

Column Name	Column Description
OSTN_ID	The ID of the command.
OSTN_STRING_VALUE	The name of the command running the OS process.

PW_OSSS_SRV_STATISTICS_T

The server-level OS statistics summarized by each aggregated invocation.

Column Name	Column Description
OSSS_TIMESTAMP	The time summary.
OSSS_PWHG_ID	The hour group ID.
OSSS_SLICES_SUM	The number of 15-minute slices in the time summary that data was reported by the OS agent for this instance.
OSSS_PWII_INSTANCE_ID	The ID of the OS server instance.
OSSS_NUM_CPUS	The number of processors on the server.
OSSS_TOT_PHY_MEM	Installed physical memory on the server, specified in megabytes.
OSSS_TOT_VIR_MEM	The virtual memory configured for the server (physical memory and paging file), specified in megabytes.
OSSS_USER_CPU_SUM	The non-idle processor time spent in user mode, specified in seconds. The user mode is a restricted processing mode designed for applications, environment subsystems, and integral subsystems.
OSSS_SYS_CPU_SUM	The non-idle processor time spent in privileged mode, specified in seconds. The privileged mode is designed for operating system components and allows direct access to hardware and all memory.
OSSS_WAIT_CPU_SUM	The amount of time that the processor was idle during which the system had an outstanding disk I/O request, specified in seconds.
OSSS_OTHER_CPU_SUM	The miscellaneous non-idle processor time, specified in seconds.
OSSS_SWITCH_SUM	The combined rate at which all processors on the server are switched from one thread to another.
OSSS_IO_SUM	The total OS I/O consumption on the server, specified in megabytes.
OSSS_PHY_MEM_SUM	The physical memory consumption, specified in megabytes.
OSSS_VIR_MEM_SUM	The virtual memory consumption, specified in megabytes.

OSSS_PAGING_SUM	The total OS paging on the server.
OSSS_LOAD_SUM	The total server load.
OSSS_PROC_START	The total number of processes started in this time summary.
OSSS_PROC_SUM	The total number of processes running in this time summary.

Expressions

Oracle	SQL Server	Expression Description
$\text{sum}(\text{OSSS_LOAD_SUM}) / \text{sum}(\text{OSSS_SLICES_SUM})$	$\text{sum}(\text{OSSS_LOAD_SUM}) / \text{sum}(\text{OSSS_SLICES_SUM})$	Average server load for a given time range.
$\text{sum}(\text{OSSS_PHY_MEM_SUM}) * 1024.0 * 1024.0 / \text{sum}(\text{OSSS_SLICES_SUM})$	$\text{sum}(\text{OSSS_PHY_MEM_SUM}) * 1024.0 * 1024.0 / \text{sum}(\text{OSSS_SLICES_SUM})$	Server physical memory consumption.
$\text{sum}(\text{OSSS_VIR_MEM_SUM}) * 1024.0 * 1024.0 / \text{sum}(\text{OSSS_SLICES_SUM})$	$\text{sum}(\text{OSSS_VIR_MEM_SUM}) * 1024.0 * 1024.0 / \text{sum}(\text{OSSS_SLICES_SUM})$	Server virtual memory consumption.
$(\text{sum}(\text{OSSS_PHY_MEM_SUM} / \text{OSSS_TOT_PHY_MEM}) / \text{sum}(\text{OSSS_SLICES_SUM})) * 100.0$	$(\text{sum}(\text{OSSS_PHY_MEM_SUM} / \text{OSSS_TOT_PHY_MEM}) / \text{sum}(\text{OSSS_SLICES_SUM})) * 100.0$	Server physical memory utilization in percentage from total server physical memory.
$(\text{sum}(\text{OSSS_VIR_MEM_SUM} / \text{OSSS_TOT_VIR_MEM}) / \text{sum}(\text{OSSS_SLICES_SUM})) * 100.0$	$(\text{sum}(\text{OSSS_VIR_MEM_SUM} / \text{OSSS_TOT_VIR_MEM}) / \text{sum}(\text{OSSS_SLICES_SUM})) * 100.0$	Server virtual memory utilization in percentage from total server virtual memory.
$(\text{sum}(\text{OSSS_USER_CPU_SUM} / \text{OSSS_NUM_CPUS}) / (\text{sum}(\text{OSSS_SLICES_SUM}) * 900.0)) * 100.0$	$(\text{sum}(\text{OSSS_USER_CPU_SUM} / \text{OSSS_NUM_CPUS}) / (\text{sum}(\text{OSSS_SLICES_SUM}) * 900.0)) * 100.0$	Server user CPU utilization in percentage from total available processor power.
$(\text{sum}(\text{OSSS_SYS_CPU_SUM} / \text{OSSS_NUM_CPUS}) / (\text{sum}(\text{OSSS_SLICES_SUM}) * 900.0)) * 100.0$	$(\text{sum}(\text{OSSS_SYS_CPU_SUM} / \text{OSSS_NUM_CPUS}) / (\text{sum}(\text{OSSS_SLICES_SUM}) * 900.0)) * 100.0$	Server system CPU utilization in percentage from total available processor power.
$(\text{sum}(\text{OSSS_WAIT_CPU_SUM} / \text{OSSS_NUM_CPUS}) / (\text{sum}(\text{OSSS_SLICES_SUM}) * 900.0)) * 100.0$	$(\text{sum}(\text{OSSS_WAIT_CPU_SUM} / \text{OSSS_NUM_CPUS}) / (\text{sum}(\text{OSSS_SLICES_SUM}) * 900.0)) * 100.0$	Server wait IO CPU utilization in percentage from total available processor power.
$(\text{sum}(\text{OSSS_OTHER_CPU_SUM} / \text{OSSS_NUM_CPUS}) / (\text{sum}(\text{OSSS_SLICES_SUM}) * 900.0)) * 100.0$	$(\text{sum}(\text{OSSS_OTHER_CPU_SUM} / \text{OSSS_NUM_CPUS}) / (\text{sum}(\text{OSSS_SLICES_SUM}) * 900.0)) * 100.0$	Server other CPU utilization in percentage from total available processor power.
Sum of above four expressions	Sum of above four expressions	Total server CPU utilization in percentage from total available processor power.
$(\text{sum}(\text{OSSS_IO_SUM}) * 1024.0 * 1024.0) / (\text{sum}(\text{OSSS_SLICES_SUM}) * 900.0)$	$(\text{sum}(\text{OSSS_IO_SUM}) * 1024.0 * 1024.0) / (\text{sum}(\text{OSSS_SLICES_SUM}) * 900.0)$	Server IO throughput, specific as IO bytes per second.
$(\text{sum}(\text{OSSS_PAGING_SUM}) * 1024.0 * 1024.0) / (\text{sum}(\text{OSSS_SLICES_SUM}) * 900.0)$	$(\text{sum}(\text{OSSS_PAGING_SUM}) * 1024.0 * 1024.0) / (\text{sum}(\text{OSSS_SLICES_SUM}) * 900.0)$	Server page faults rate, specified as paging per second.
$(\text{sum}(\text{OSSS_SWITCH_SUM}) * 1024.0 * 1024.0) / (\text{sum}(\text{OSSS_SLICES_SUM}) * 900.0)$	$(\text{sum}(\text{OSSS_SWITCH_SUM}) * 1024.0 * 1024.0) / (\text{sum}(\text{OSSS_SLICES_SUM}) * 900.0)$	Server context switches rate, specified as context switches per second.

PW_OSPS_PROC_STATISTICS_T

The OS process-level statistics summarized by each aggregated invocation.

Column Name	Column Description
OSPS_TIMESTAMP	The time summary.
OSPS_PWHG_ID	The hour group ID.
OSPS_PWII_INSTANCE_ID	The ID of the instance running the OS process.

OSPS_NUM_CPUS	The number of processors on the server.
OSPS_USER	The ID of the user running the OS process.
OSPS_PROGRAM	The ID of the program running the OS process.
OSPS_PATH	The ID of the command (program with arguments) running the OS process.
OSPS_PID	The ID of the OS process.
OSPS_PID_TIMESTAMP	The creation time of the OS process.
OSPS_WORK_TYPE	0, null = general; 90 = Citrix.
OSPS_PUB_APP	The ID of the Citrix application running the OS process.
OSPS_APP_USER	The ID of the Citrix user running the OS process.
OSPS_CONSUMER_IP	The ID of the Citrix client IP running the OS process.
OSPS_CONSUMER_IP_GID	The ID of the Citrix location running the OS process.
OSPS_CONSUMER	The ID of the Citrix client running the OS process.
OSPS_USER_CPU_SUM	The non-idle processor time spent in user mode, specified in seconds. The user mode is a restricted processing mode designed for applications, environment subsystems, and integral subsystems.
OSPS_SYS_CPU_SUM	The non-idle processor time spent in privileged mode, specified in seconds. The privileged mode is designed for operating system components and allows direct access to hardware and all memory.
OSPS_WAIT_CPU_SUM	The amount of time that the processor was idle during which the system had an outstanding disk I/O request, specified in seconds.
OSPS_OTHER_CPU_SUM	The miscellaneous non-idle processor time, specified in seconds.
OSPS_SWITCH_SUM	The combined rate at which all processors on the server are switched from one thread to another.
OSPS_THREADS_SUM	The average number of threads active for one process.
OSPS_IO_SUM	The total OS I/O consumption on the server, specified in megabytes.
OSPS_PHY_MEM_SUM	The physical memory consumption, specified in megabytes.
OSPS_VIR_MEM_SUM	The virtual memory consumption, specified in megabytes.
OSPS_PAGING_SUM	The total OS paging on the server.
OSPS_LOAD_SUM	The total server load.
OSPS_PROC_START_SUM	The total number of processes started in this time summary.
OSPS_PROC_SUM	The total number of processes running in this time summary.

PW_OSLS_LCPU_STATISTICS_T

The OS statistics for the logical processor summarized by each aggregated invocation.

Column Name	Column Description
OSLS_TIMESTAMP	The time summary.
OSLS_PWHG_ID	The hour group ID.
OSLS_PWII_INSTANCE_ID	The ID of the instance running the OS process.
OSLS_SLICES_SUM	The number of 15-minute slices in the time summary that data was reported by the OS agent for this instance.
OSLS_LOGICAL_CPU	The processor ID (if it is on a virtual server, then we talk about the logical processor).
OSLS_USER_CPU_SUM	The non-idle processor time spent in user mode, specified in seconds. The user mode is a restricted processing mode designed for applications, environment subsystems, and integral subsystems.

OSLS_SYS_CPU_SUM	The non-idle processor time spent in privileged mode, specified in seconds. The privileged mode is designed for operating system components and allows direct access to hardware and all memory.
OSLS_WAIT_CPU_SUM	The amount of time that the processor was idle during which the system had an outstanding disk I/O request, specified in seconds.
OSLS_OTHER_CPU_SUM	The miscellaneous non-idle processor time, specified in seconds.

Expressions

Oracle	SQL Server	Expression Description
$\frac{\text{sum(OSLS_USER_CPU_SUM / OSLS_NUM_CPUS)}}{\text{(sum(OSLS_SLICES_SUM) * 900.0 * 100.0)}}$	$\frac{\text{sum(OSLS_USER_CPU_SUM / OSLS_NUM_CPUS)}}{\text{(sum(OSLS_SLICES_SUM) * 900.0 * 100.0)}}$	User SPU utilization for logical processor, in percentage from total available processor power.
$\frac{\text{sum(OSLS_SYS_CPU_SUM / OSLS_NUM_CPUS)}}{\text{(sum(OSLS_SLICES_SUM) * 900.0 * 100.0)}}$	$\frac{\text{sum(OSLS_SYS_CPU_SUM / OSLS_NUM_CPUS)}}{\text{(sum(OSLS_SLICES_SUM) * 900.0 * 100.0)}}$	System CPU utilization for logical processor, in percentage from total available processor power.
$\frac{\text{sum(OSLS_WAIT_CPU_SUM / OSLS_NUM_CPUS)}}{\text{(sum(OSLS_SLICES_SUM) * 900.0 * 100.0)}}$	$\frac{\text{sum(OSLS_WAIT_CPU_SUM / OSLS_NUM_CPUS)}}{\text{(sum(OSLS_SLICES_SUM) * 900.0 * 100.0)}}$	Wait IO CPU utilization for logical processor, in percentage from total available processor power.
$\frac{\text{sum(OSLS_OTHER_CPU_SUM / OSLS_NUM_CPUS)}}{\text{(sum(OSLS_SLICES_SUM) * 900.0 * 100.0)}}$	$\frac{\text{sum(OSLS_OTHER_CPU_SUM / OSLS_NUM_CPUS)}}{\text{(sum(OSLS_SLICES_SUM) * 900.0 * 100.0)}}$	Other CPU utilization for logical processor, in percentage from total available processor power.
Sum of above four expressions	Sum of above four expressions	Total CPU utilization for logical processor, in percentage from total available processor power.

PW_OSLN_LCPU_N

The process statistics logical processor normalization table.

Column Name	Column Description
OSLN_ID	The ID of the logical processor.
OSLN_STRING_VALUE	The name of the logical processor.

PW_OSCS_CITRIX_STATISTICS_T

The Citrix performance counters summarized by each aggregated invocation.

Column Name	Column Description
OSCS_TIMESTAMP	The time summary.
OSCS_PWHG_ID	The hour group ID.
OSCS_PWII_INSTANCE_ID	The ID of the instance running the OS process.
OSCS_PUB_APP	The ID of the Citrix application running the OS process.
OSCS_APP_USER	The ID of the Citrix user running the OS process.
OSCS_CONSUMER_IP	The ID of the Citrix client IP running the OS process.
OSCS_CONSUMER_IP_GID	The ID of the Citrix location running the OS process.
OSCS_CONSUMER	The ID of the Citrix client running the OS process.
OSCS_SESSIONS_SUM	The number of Citrix sessions.
OSCS_CLIENT_LAT_SUM	The Citrix client average latency.

Expressions

Oracle	SQL Server	Expression Description
<code>sum(OSCS_CLIENT_LAT_SUM / OSCS_SESSIONS_SUM)</code>	<code>sum(OSCS_CLIENT_LAT_SUM / OSCS_SESSIONS_SUM)</code>	Average client latency per Citrix session.