CONFIGURATION GUIDES › DATABASES

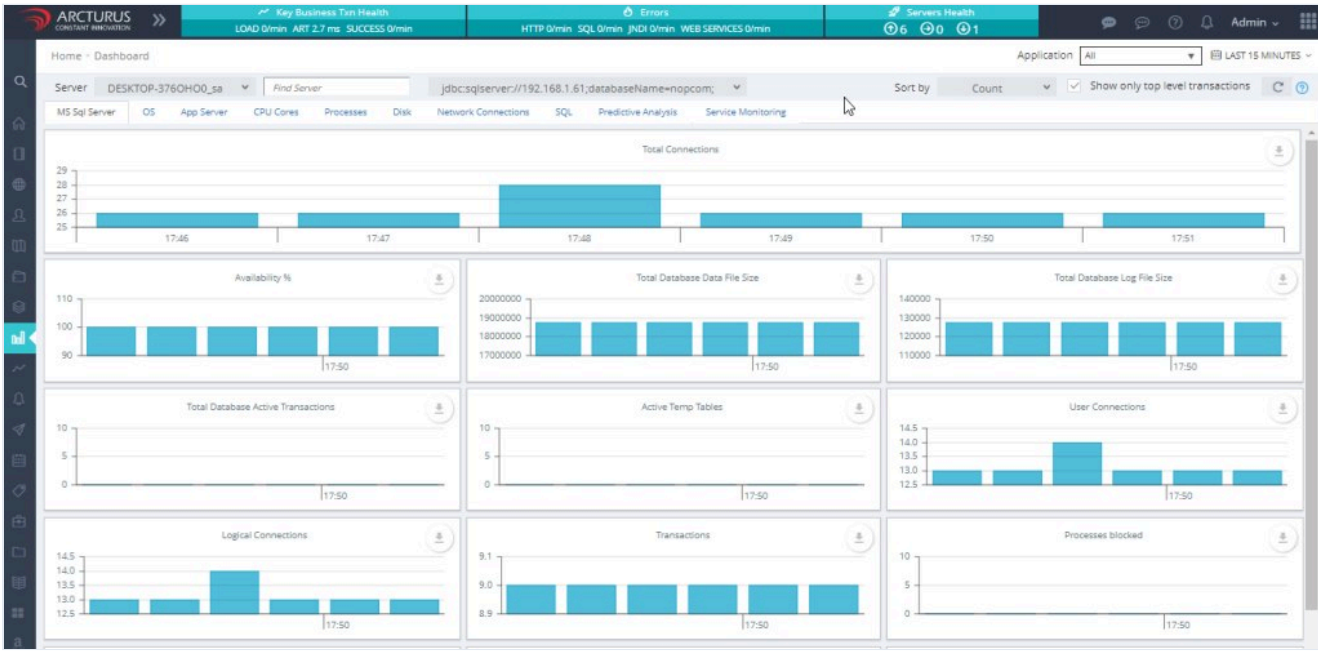
Monitoring for MS SQL Server databases

Applicare 9.2 · Updated August 22, 2024 · sql-server · **Pending technical review**

Access the Applicare controller and navigate to the **Server Analyzer m**enu to view the details.

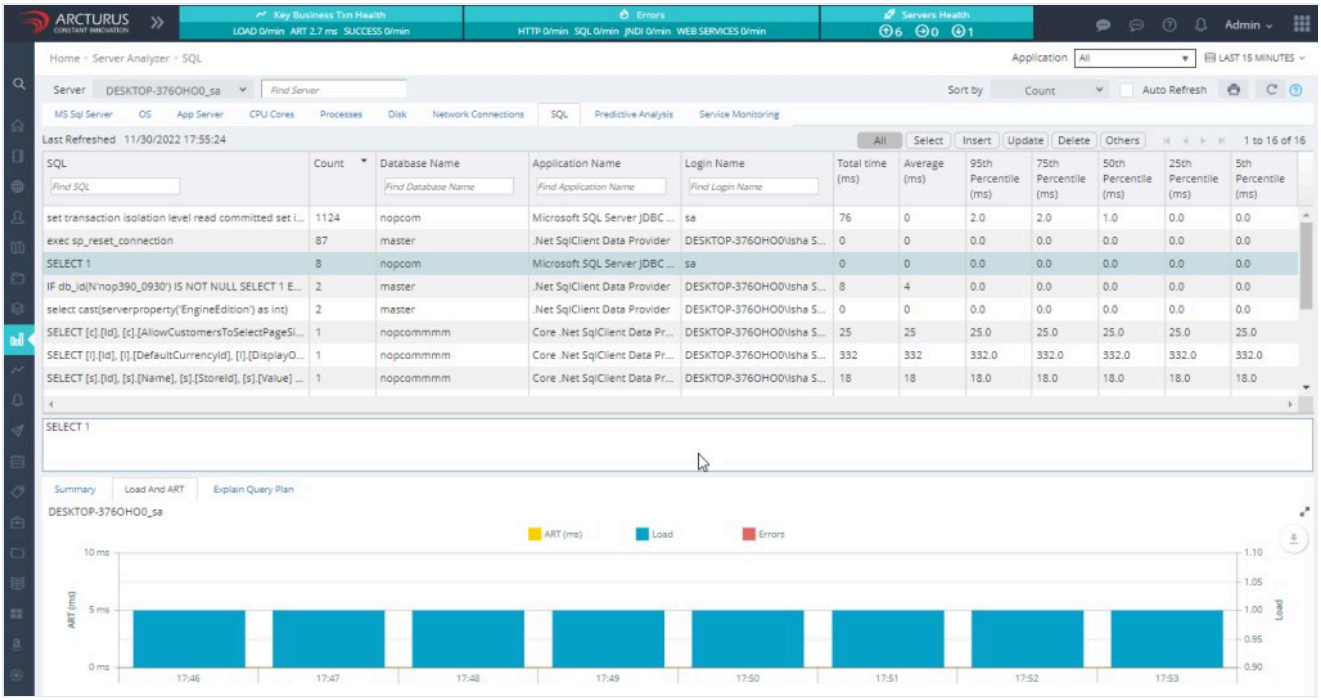
Dashboard

Database performance metrics help you monitor and improve the performance of your database. They cover the whole server, not just the specific database mentioned in the JDBC URL.

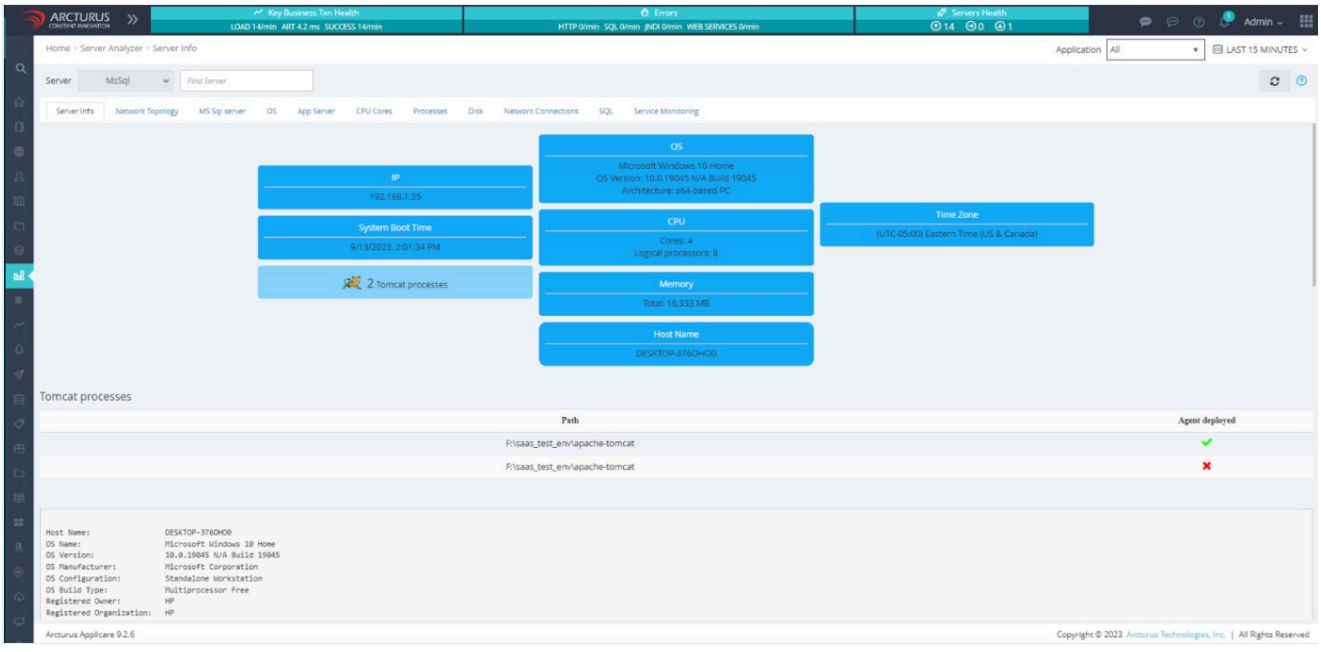


SQL

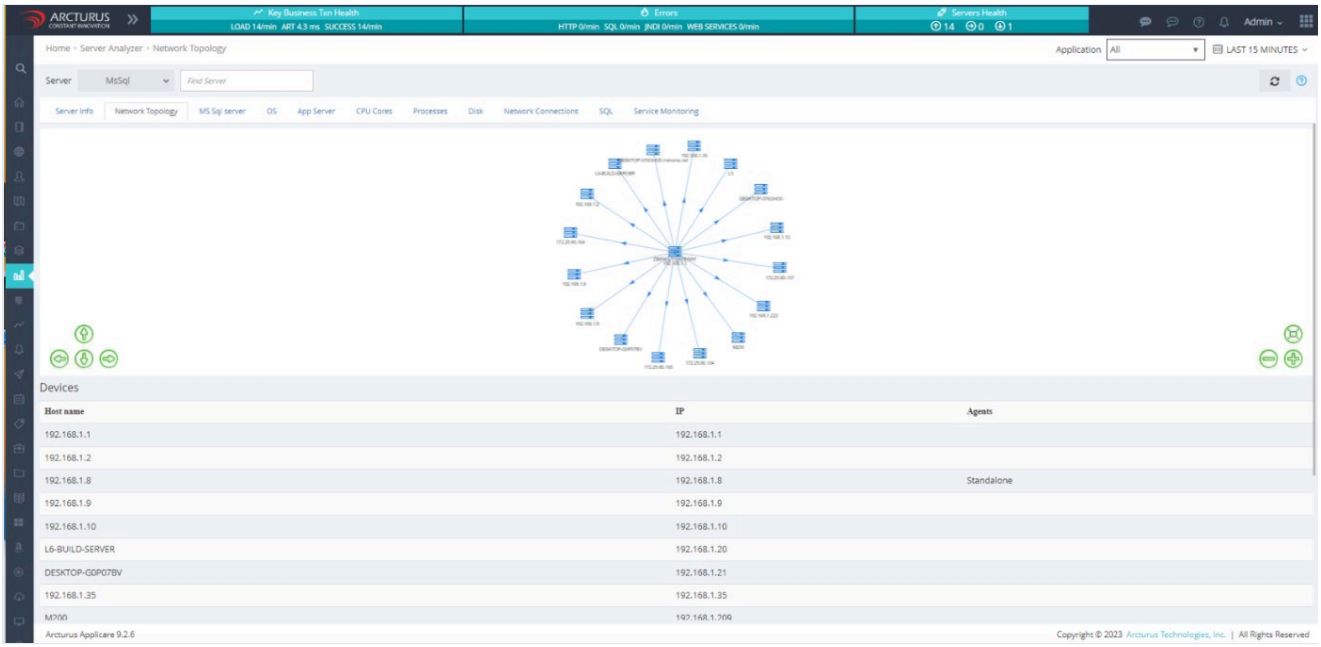
SQL Statement Profiling shows how well your database queries are performing. It helps you see which queries are slow and find out what's causing performance problems. You'll get details like the number of queries, their average time, and other useful stats.


ARCTURUS
Key Business Txn Health
LOAD 0/min ART 2.7 ms SUCCESS 0/min
Errors
HTTP 0/min SQL 0/min JNDI 0/min WEB SERVICES 0/min
Servers Health
Admin
Home · Server Analyzer · SQL
Application All
LAST 15 MINUTES
Server DESKTOP-376OHO0_sa
Find Server
Sort by Count
Auto Refresh
MS Sql Server OS App Server CPU Cores Processes Disk Network Connections SQL Predictive Analysis Service Monitoring
Last Refreshed 11/30/2022 17:55:24
All Select Insert Update Delete Others
1 to 16 of 16
SQL Count Database Name Application Name Login Name Total time (ms) Average (ms) 95th Percentile (ms) 75th Percentile (ms) 50th Percentile (ms) 25th Percentile (ms) 5th Percentile (ms)
set transaction isolation level read committed set i... 1124 nopcom Microsoft SQL Server JDBC ... sa 76 0 2.0 2.0 1.0 0.0 0.0
exec sp_reset_connection 87 master .Net SqlClient Data Provider DESKTOP-376OHO0\Isha S... 0 0 0.0 0.0 0.0 0.0 0.0
SELECT 1 8 nopcom Microsoft SQL Server JDBC ... sa 0 0 0.0 0.0 0.0 0.0 0.0
IF db_id(N'nop390_0930') IS NOT NULL SELECT 1 E... 2 master .Net SqlClient Data Provider DESKTOP-376OHO0\Isha S... 8 4 0.0 0.0 0.0 0.0 0.0
select cast(serverproperty('EngineEdition') as int) 2 master .Net SqlClient Data Provider DESKTOP-376OHO0\Isha S... 0 0 0.0 0.0 0.0 0.0 0.0
SELECT [c].[Id], [c].[AllowCustomersToSelectPageSi... 1 nopcommmm Core .Net SqlClient Data Pr... DESKTOP-376OHO0\Isha S... 25 25 25.0 25.0 25.0 25.0 25.0
SELECT [i].[Id], [i].[DefaultCurrencyId], [i].[DisplayO... 1 nopcommmm Core .Net SqlClient Data Pr... DESKTOP-376OHO0\Isha S... 332 332 332.0 332.0 332.0 332.0 332.0
SELECT [s].[Id], [s].[Name], [s].[StoreId], [s].[Value] ... 1 nopcommmm Core .Net SqlClient Data Pr... DESKTOP-376OHO0\Isha S... 18 18 18.0 18.0 18.0 18.0 18.0
SELECT 1
Summary Load And ART Explain Query Plan
DESKTOP-376OHO0_sa
ART (ms) Load Errors
10 ms
5 ms
0 ms
1.10
1.05
1.00
0.95
0.90
17:46 17:47 17:48 17:49 17:50 17:51 17:52 17:53

Server Info

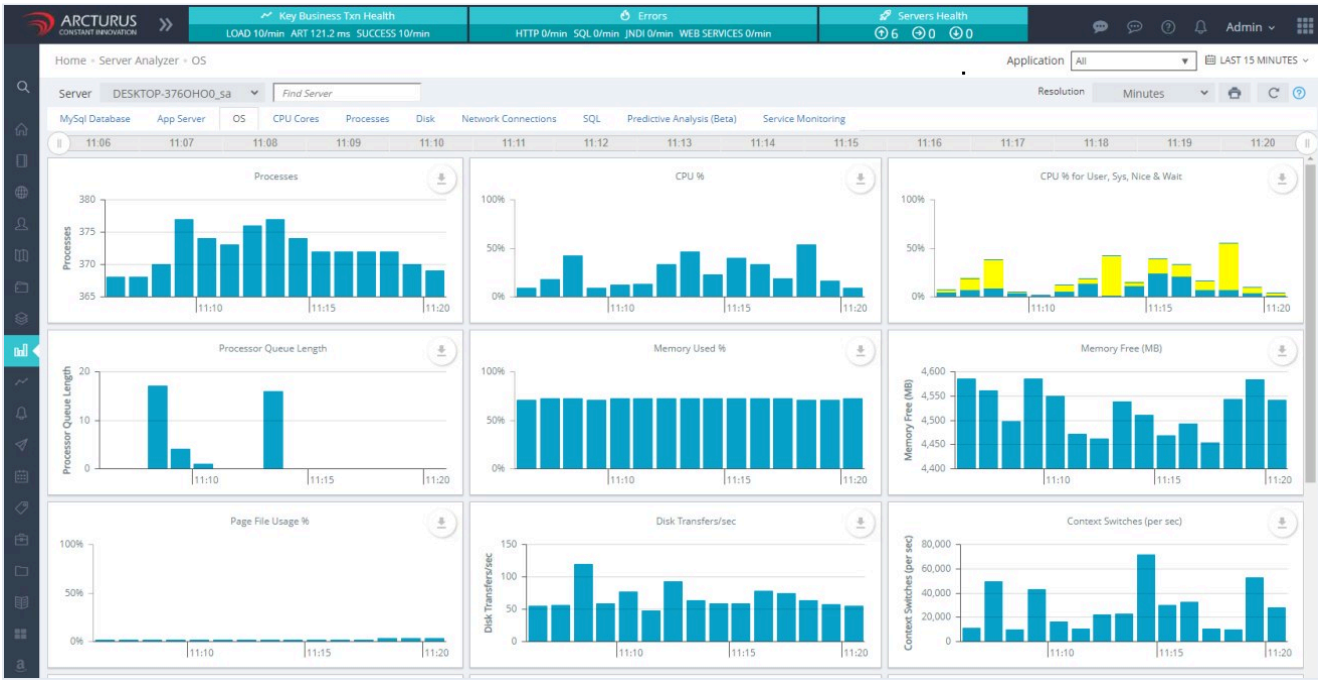

ARCTURUS
Key Business Txn Health
LOAD 14/min ART 4.2 ms SUCCESS 14/min
Errors
HTTP 0/min SQL 0/min JNDI 0/min WEB SERVICES 0/min
Servers Health
Admin
Home · Server Analyzer · Server Info
Application All
LAST 15 MINUTES
Server MsSql
Find Server
Server Info Network Topology MS Sql server OS App Server CPU Cores Processes Disk Network Connections SQL Service Monitoring
IP
192.168.1.35
OS
Microsoft Windows 10 Home
OS Version: 10.0.19045 N/A Build 19045
Architecture: x64-based PC
System Boot Time
9/13/2023, 2:01:34 PM
CPU
Cores: 4
Logical processors: 8
Time Zone
(UTC-05:00) Eastern Time (US & Canada)
2 Tomcat processes
Memory
Total: 16,333 MB
Host Name
DESKTOP-376OHO0
Tomcat processes
Path
Agent deployed
F:\saas_test_env\apache-tomcat
F:\saas_test_env\apache-tomcat
Host Name: DESKTOP-376OHO0
OS Name: Microsoft Windows 10 Home
OS Version: 10.0.19045 N/A Build 19045
OS Manufacturer: Microsoft Corporation
OS Configuration: Standalone Workstation
OS Build Type: Multiprocessor Free
Registered Owner: HP
Registered Organization: HP
Arcturus Applicare 9.2.6
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Network Topology



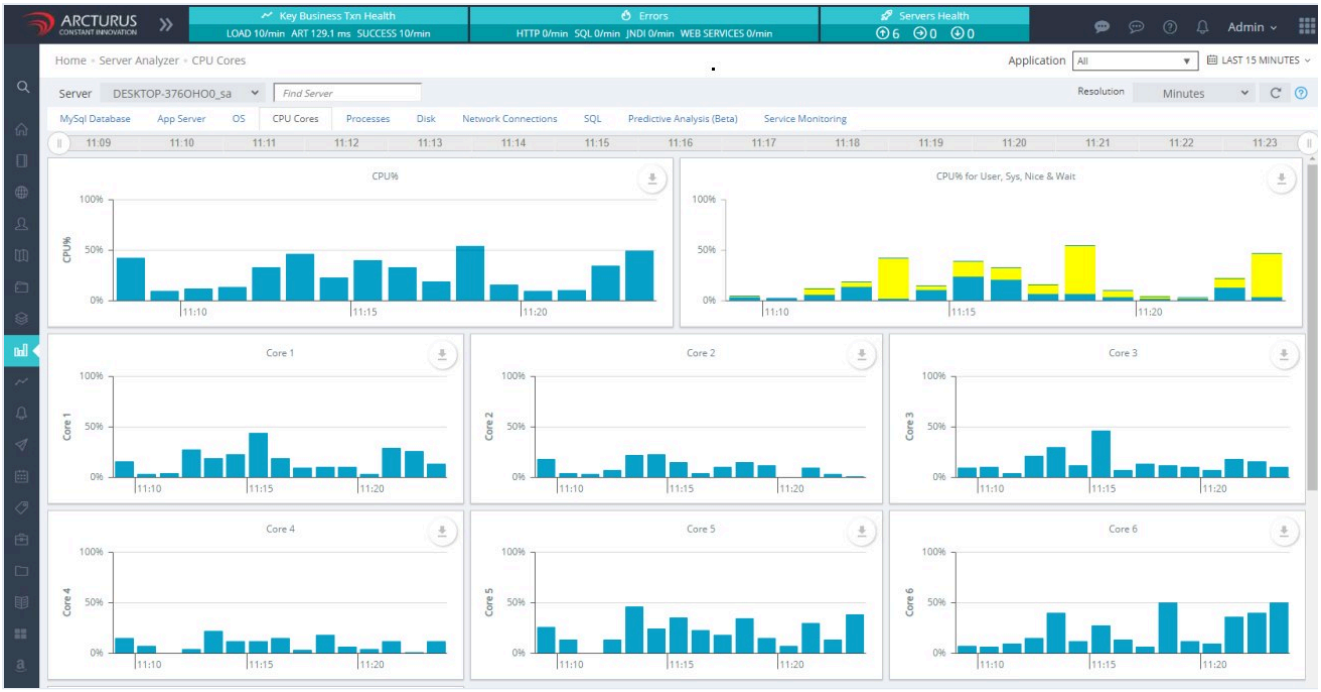
OS

This view offers a quick and easy overview of your physical server's or VM's performance, including details on processes, context switches, CPU usage, memory, and storage performance..



CPU CORE Analyzer

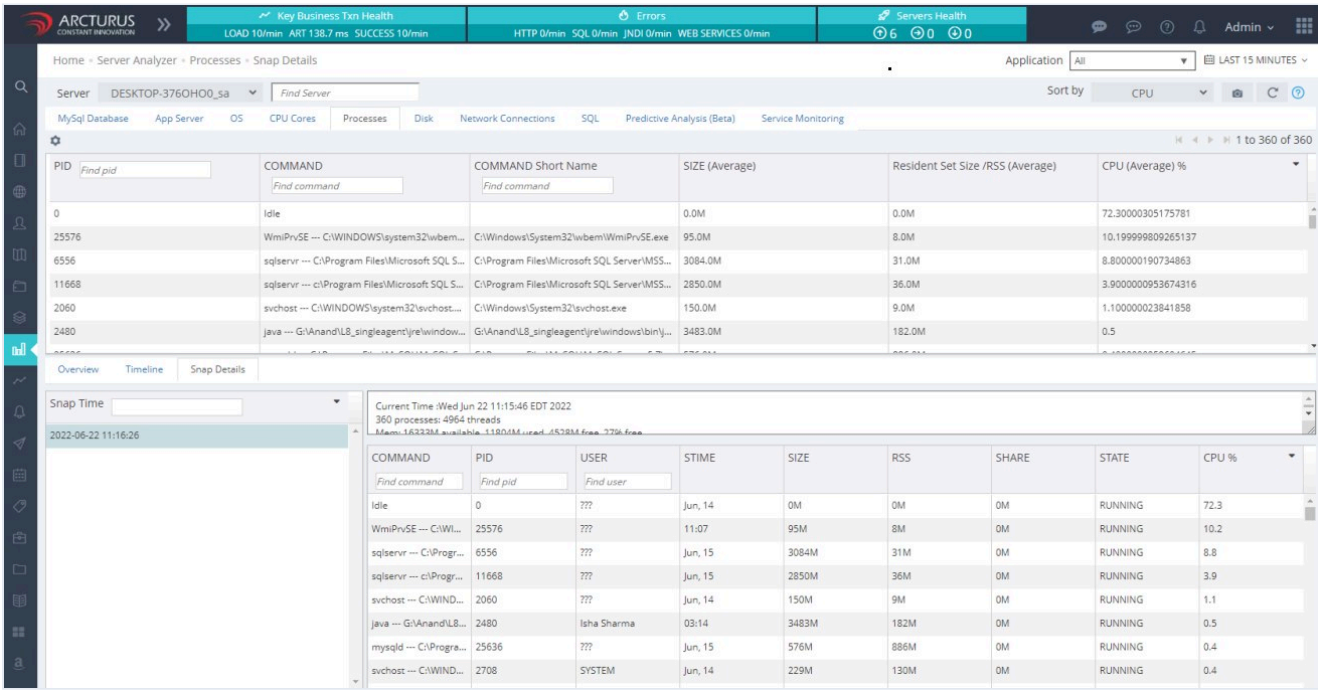
This view offers a comprehensive overview of the CPU including details information about each individual CPU core.



Processes

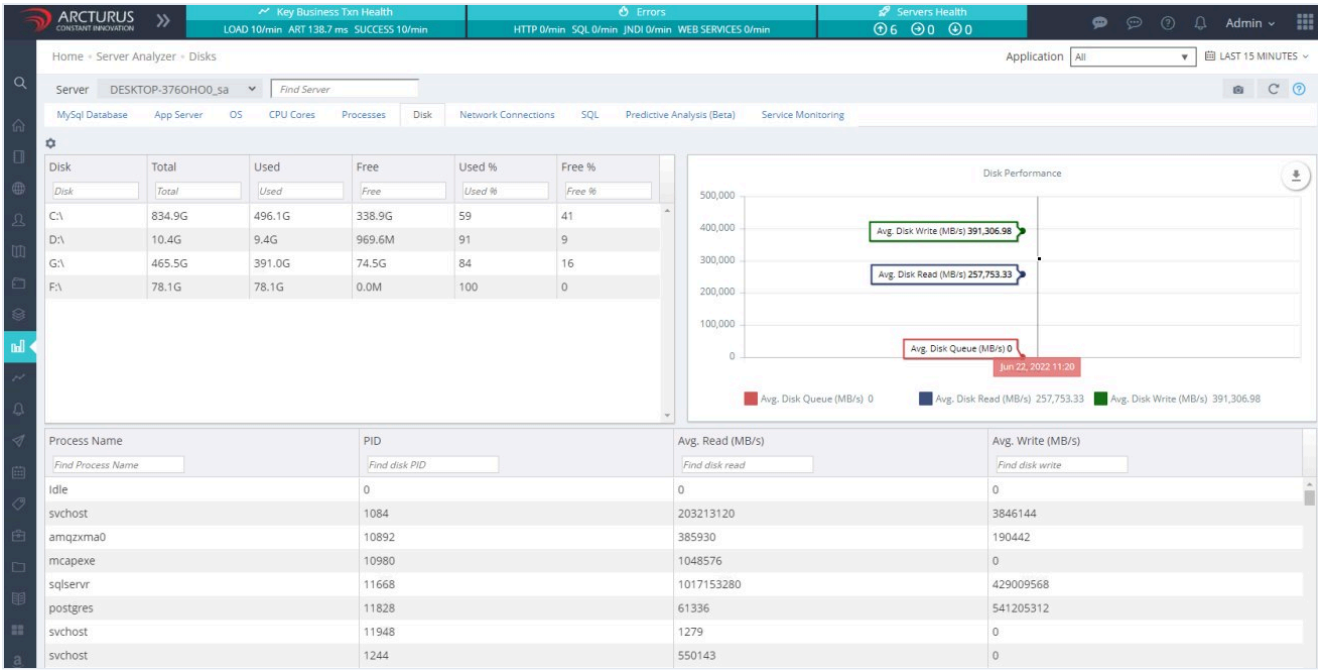
This view offers organized performance stats for the CPU, memory and running processes.

It includes historical snapshots of processes showing resource usage at various points in time. by default, Applicare takes a snapshot every 10 minutes but this interval can be adjusted according to your needs.



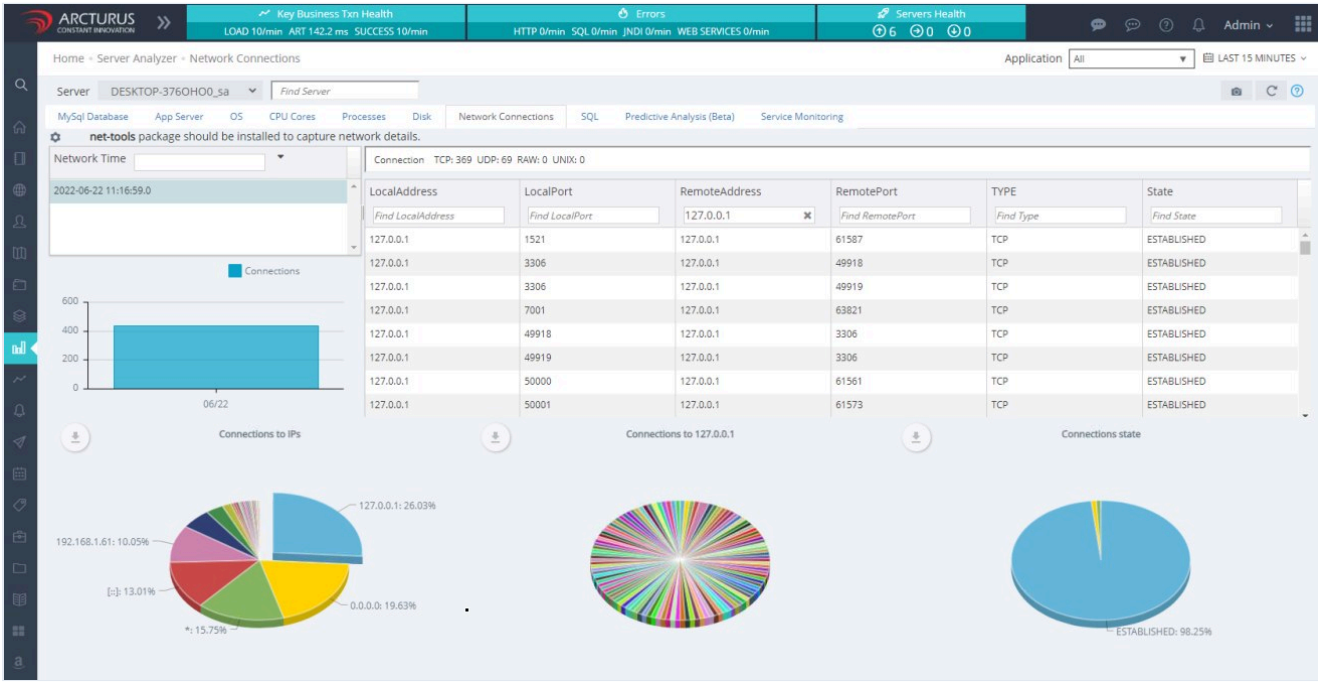
Disk

This view provides the disk usage accessed by each and every process.



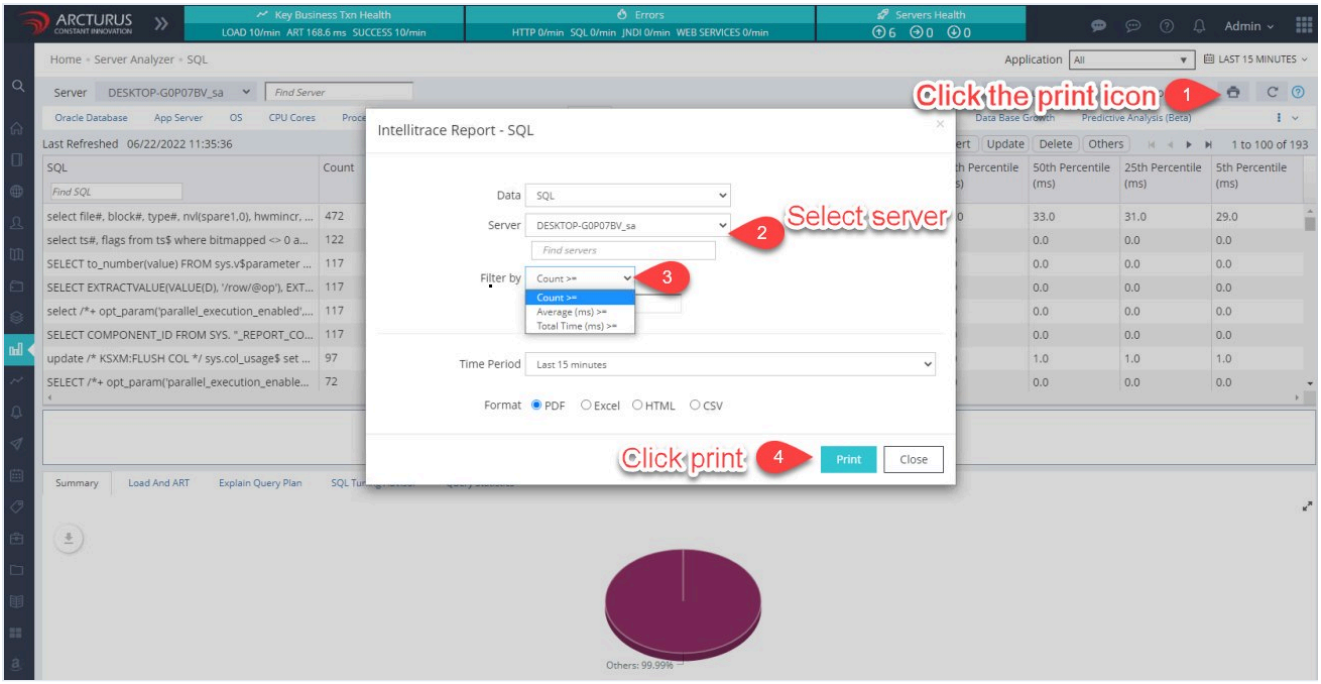
Network Connections

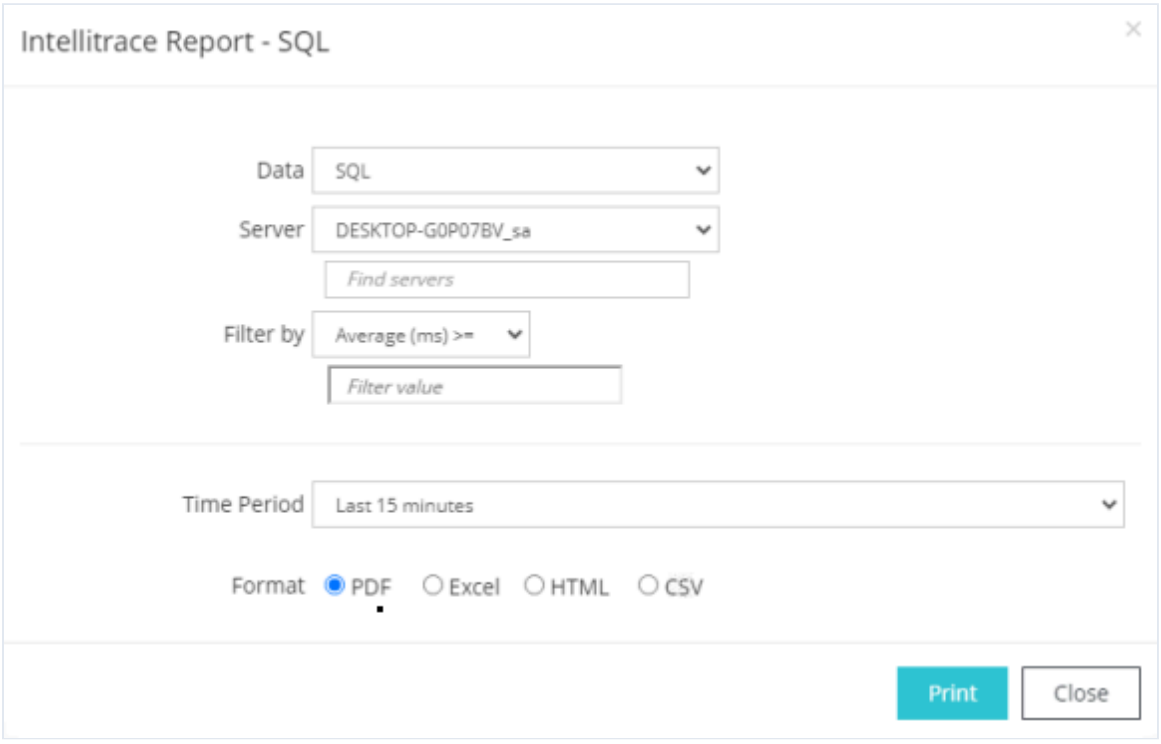
This view provides the TCP, UDP, RAW, and UNIX connection Details.



SQL Report

The SQL statements can be downloaded as a report by clicking the print icon from the Server Analyzer menu SQL Screen.


Click the print icon
1
Intellitrace Report - SQL
Data
SQL
Server
DESKTOP-G0P07BV_sa
2
Select server
Find servers
Filter by
Count >=
3
Average (ms) >=
Total Time (ms) >=
Time Period
Last 15 minutes
Format
PDF
Excel
HTML
CSV
Click print
4
Print
Close


Intellitrace Report - SQL
Data
SQL
Server
DESKTOP-G0P07BV_sa
Find servers
Filter by
Average (ms) >=
Filter value
Time Period
Last 15 minutes
Format
PDF
Excel
HTML
CSV
Print
Close

SQL	Database Name	Count	Total Time (ms)	Avg. Time (ms)	Minimum (ms)	Maximum (ms)	Std. Dev. (ms)	95th Percentile (ms)	75th Percentile (ms)	50th Percentile (ms)	25th Percentile (ms)	5th Percentile (ms)
ORDER BY [alt].[Name]												
SELECT [c].[Id], [c].[AllowCustomersToSelectPageSize], [c].[CategoryTemplateId], [c].[CreatedOnUtc], [c].[Deleted], [c].[Description], [c].[DisplayOrder], [c].[IncludeInTopMenu], [c].[LimitedToStores], [c].[MetaDescription], [c].[MetaKeywords], [c].[MetaTitle], [c].[Name], [c].[PageSize], [c].[PageSizeOptions], [c].[ParentCategoryId], [c].[PictureId], [c].[PriceRanges], [c].[Published], [c].[ShowOnHomepage], [c].[SubjectToAcl], [c].[UpdatedOnUtc] FROM [Category] AS [c] WHERE (([c].[Published] = 1) AND ([c].[Deleted] = 0)) AND ([c].[ShowOnHomepage] = 1) ORDER BY [c].[DisplayOrder], [c].[Id]	nopcommmm	1	25	25	25	25	0	25	25	25	25	25
SELECT [p].[Id], [p].[Name] FROM [ProductTag] AS [p]	nopcommmm	1	25	25	25	25	0	25	25	25	25	25
SELECT [s].[Id], [s].[Name], [s].[StoreId], [s].[Value] FROM [Setting] AS [s] ORDER BY [s].[Name], [s].[StoreId]	nopcommmm	1	18	18	18	18	0	18	18	18	18	18
SELECT COUNT(*) FROM [Manufacturer] AS [m] WHERE ([m].[Published] = 1) AND ([m].[Deleted] = 0)	nopcommmm	1	17	17	17	17	0	17	17	17	17	17
SELECT [sao].[Id], [sao].[ColorSquaresRgb], [sao].[DisplayOrder], [sao].[Name], [sao].[SpecificationAttributeId] FROM [SpecificationAttributeOption] AS [sao] WHERE [sao].[Id] IN (14, 15, 16)	nopcommmm	1	17	17	17	17	0	17	17	17	17	17
SELECT [p].[Id], [p].[AdditionalShippingCharge], [p].[AdminComment], [p].[AllowAddingOnlyExistingAttributeCombinations], [p].[AllowBackInStockSubscriptions], [p].[AllowCustomerReviews], [p].[AllowedQuantities], [p].[ApprovedRatingSum], [p].[ApprovedTotalReviews], [p].[AutomaticallyAddRequiredProducts], [p].[AvailableEndDateTimeUtc], [p].[AvailableForPreOrder], [p].	nopcommmm	1	2	2	2	2	0	2	2	2	2	2

Created at: 2022-11-30 18:04:46.818 Time Zone: Eastern Standard Time America/New_York

MS SQL Server Always On Availability Groups Monitoring

MS SQl Server database configuration