

Artificial Intelligence Database Administrator

For Microsoft SQL Server



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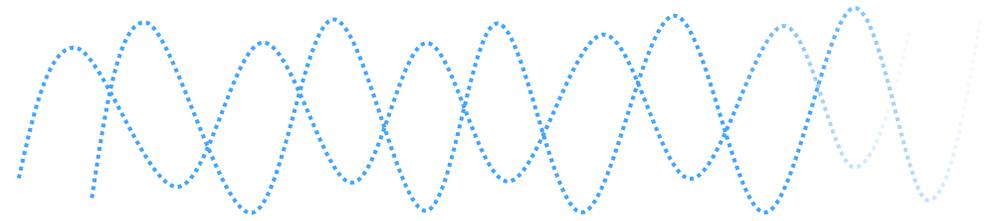
Subscription plans

Solution Availability



The fluctuation in database response time causes inconsistent business performance

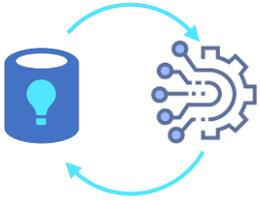
Continual innovations built into Ai-DBA, giving you higher level of stability in business performance



Artificial Intelligence – Database Administrator

New technology with intelligence over all your SQL Server database management process

Intelligence administration



AI and Machine Learning over all databases with the power of Azure SQL, Python and R

Intelligence performance optimization



200 Resource intensive query optimization within five minutes

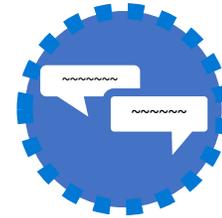
~60% Performance Enhancement with zero code changes

Intelligence over data security



The best of machine learning and abnormal detection on data access and security

Intelligence communication



The first ever system which human can communicate and command to perform task

Extensive knowledgebase



The best of internet search, intelligence summarization and itemization



Hero features



Intelligence administration over databases

Preventive maintenance and proactive administration with power of machine learning

Intelligence maintenance window



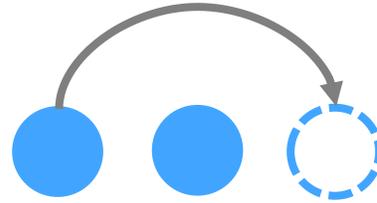
Exact peak and non-peak hours of SQL Server database instance for better maintenance window allocation

Preventive maintenance



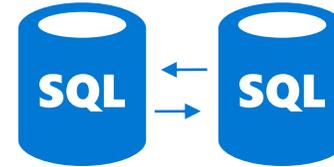
Predict upcoming problems via historical data analyzed in prediction models, and provides workaround instructions and scripts to prevent catastrophic disaster

Proactive administration



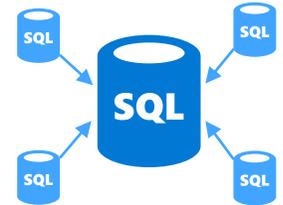
Analyzes the statistical data and provides recommendation base on database workload to get utmost from hardware resources

Intelligence high availability



Analyzes the SQL Server instances within the farm, evaluate and recommend for best high availability solution for existing workload and infrastructure

Intelligence consolidation



Evaluate the database workload and compatibility to recommend consolidation for better use of licenses and hardware resources.



Went Live Seamlessly!

Challenge

IT personnel struggles efficiently monitor and optimize database workload

Difficult to derive practical database proactive and preventive maintenance

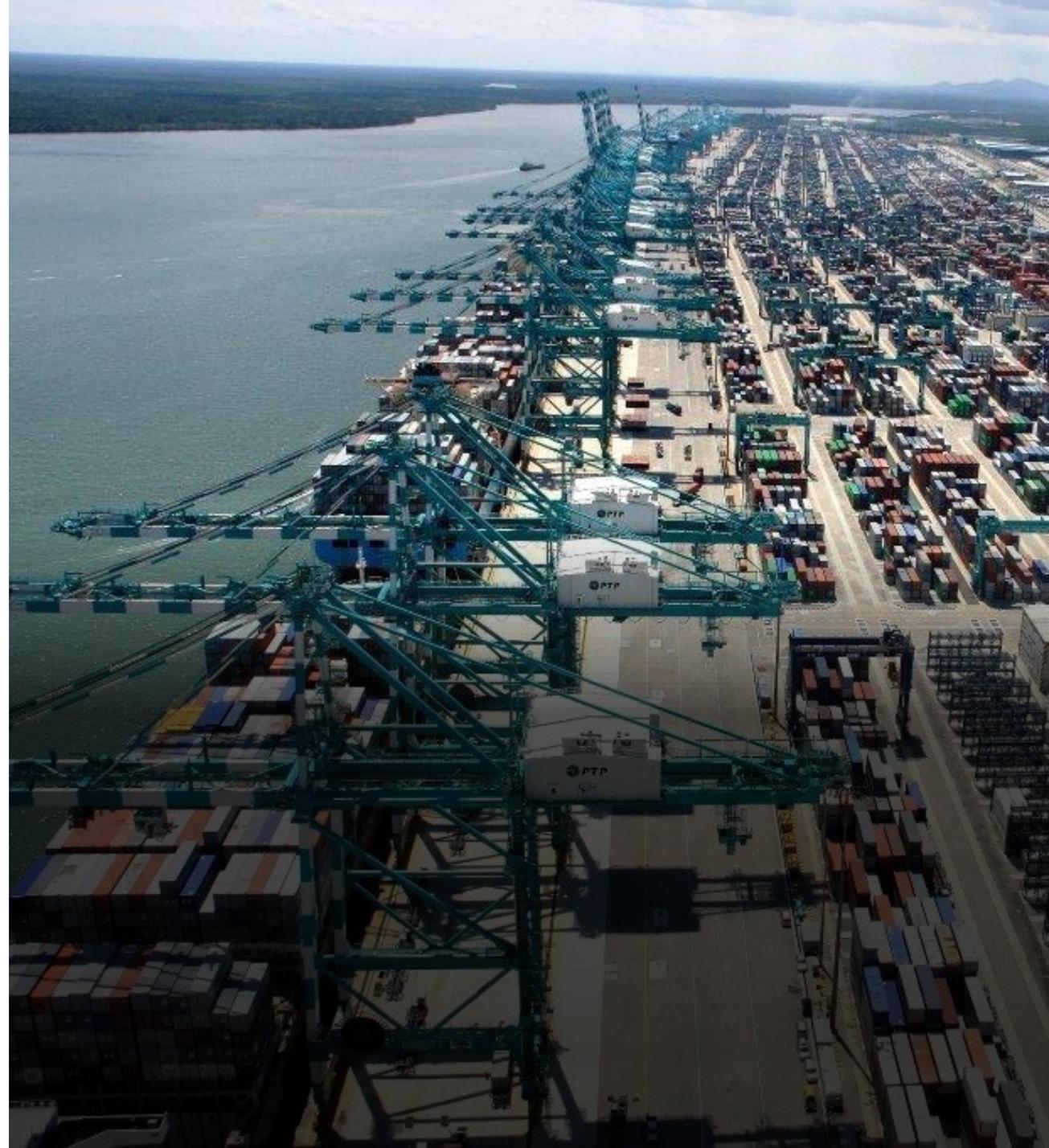
Impact

Intelligence preventive maintenance and proactive administration.

Recognition

“The Ai-DBA and services have provided a fast and proven recommendations to ensure our biggest Navis N4 SQL Server database project go live without any major performance and maintenance issues.”

Abdul Rashid - Head of Applications



Phenomenal Database Consolidation

Challenge

Insufficient manpower resources and tight project timeline

Unknown hardware resource capacity utilization by SQL Server instances

Impact

Intelligence consolidation prioritized the database servers and recommended on consolidation approaches to minimize license cost and resource utilization



Deployment at your choice

Deployment models with loose components coupling



Challenge

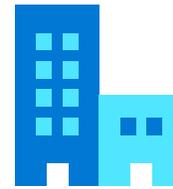
Certain industries are not allowed to use Cloud platform for any purpose.



Solution

The on-premise deployment allows enterprises to enjoy benefits of intelligence solution.

On-Premise



Data repository, report repository and compute engines are reside at customer's premise

On-Cloud



Data repository, report repository and compute engines are located on Azure cloud.



Intelligence performance optimization

Gain performance with no app changes with intelligence query optimization



Challenge

DBA's spend most of their time tuning database performance, leading to high operational costs



Solution

Intelligence performance optimization tasks for mission critical databases

Database structure and indexes analysis

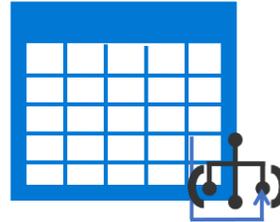


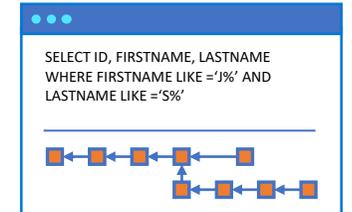
Table and index structures are evaluated based on database workload, configuration and queries

Problematic queries revision



Rewrites the long running queries base on best practices, tables structure and indexes.

Expensive query plan resolution



Alters the existing indexes or create new indexes to reduce the cost of query execution and enhances the performance.



Tremendous Database Optimization

Challenge

IT personnel struggles efficiently manage databases at scale
Difficult to derive practical performance optimization on databases

Impact

Intelligence performance optimization improved the database response time by 70%.

Recognition

“Ai-DBA has helped us tremendously in managing the databases. With the improved optimal performance of the databases, my team and I can focus on development of the software solutions more.”

Yow Hui Hui - IT Manager

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Diminishing Resource Utilization

Challenge

Hyperconverged Infrastructure (HCI) resource utilization was extremely high and positioned IT personnel in to having no choice other than expanding hardware resources.

Impact

Intelligence performance optimization diminished resource utilization by 60%, also improved database performance by 40% in overall.



You need a system that keeps up your databases with the changing world

The system learns from workload,
predicts catastrophic disasters and
recommends the necessary changes



Intelligence over data security

Prevent data security breach – Always keep a step ahead



Challenge

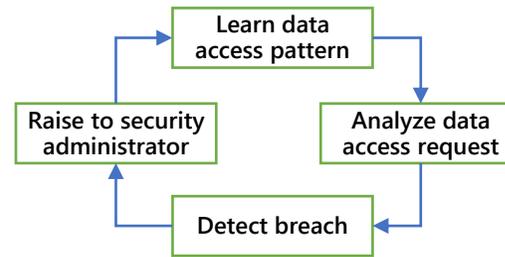
Identifying vulnerabilities and preventing sensitive data leak requires high-cost solutions



Solution

Intelligence features for data classification, access privilege, access pattern analysis and monitoring & alerting

Intelligence abnormal activity detection



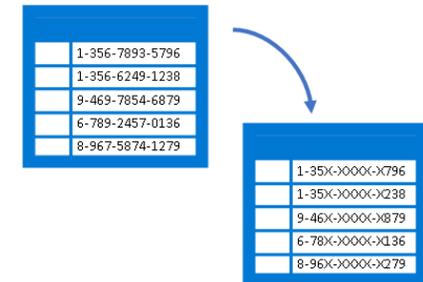
Learns within 3 months and detect abnormalities for existing users within a minute

Active directory synchronization



Synchronizes and validate account session every 30 seconds for linked SQL Server instances

Intelligence data masking



Analyzes and identifies the table columns for data masking based on knowledge base and model



Intelligence communication

First ever system to receive command via natural language



Challenge

DBA in charge is on leave or entity does not have in-house DBA, whilst require to perform basic Adhoc tasks



Solution

Intelligence communication enables human and system collaboration via natural language processing.

Intelligence e-mail processing



Receive and process natural language via E-mail and communicate with user if further information is needed

Intelligence Machine voice call



Makes a phone call once severe alerts or errors occur to heads-up the system administrator and gets further instructions by IVR

Note

- * Certain critical commands will not get process such as DROP DATABASE, DROP TABLE, DROP FUNCTION, SHUTDOWN and etc.
- * Certain authorized users will able to communicate with system.



Extensive knowledgebase

The best of internet search, intelligence suggestion and self-healing



Challenge

Identifying correct workaround is time consuming and tricky.

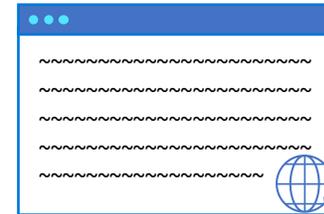
DBA might overlook some underlying errors and warnings.



Solution

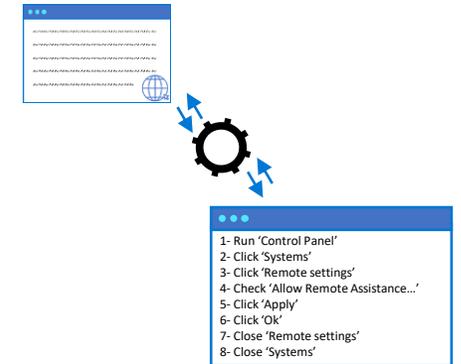
Intelligence features for internet search and self-healing enable the system to identify, search and fix the underneath errors automatically

Intelligence Internet search



Searches internet for a workaround for the errors raised in database or windows server. The web page content is evaluated to assign the relevancy level with the error

Intelligence self-healing



Summarizes and itemize the web page content, the generated action steps are fed to agent service to apply the workaround automatically



Astonishing Reliability

Challenge

Production line extremely impactful by Microsoft Dynamics AX performance.

IT personnel could not identify and resolve database performance degradation root cause.

Impact

Intelligence administration and performance optimization improved the database response time by 550%.

Recognition

“Ever since we signed our contract, we have managed to keep all ERP systems running 24x7 with total reliability. Thanks to Ai-DBA, also keep our users satisfied.”

Hui Ling See - Head of IT



Leverage on Ai to gain fabulous enhancement



Enticing Database Corruption Prevention

Challenge

Production line extremely impactful by Microsoft Dynamics AX performance.

Storage issues lead to catastrophic disaster pitfall

Impact

Intelligence administration identified the storage related issues and provided preventive maintenance recommendations to mitigate database corruption



Inevitable improvements

Challenge

Production database size was huge (2TB) and sometimes cause short of resources due to heavy workload.

Administration tasks were manual and it took majority of IT personnel time.

Impact

The resource utilization has been reduced significantly even though the workload remained the same.

All the administration tasks are automated with zero human intervention.



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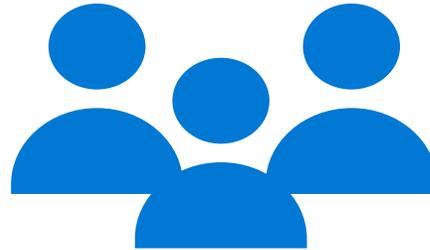
Support or advisory Ticket



We provide support or advisory for purchased subscriptions within 24 hours

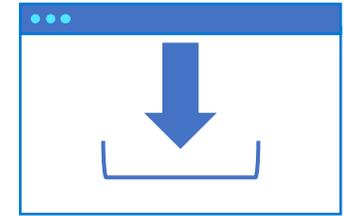
The support is in English language.

Connect with expert engineers



Connect with expert engineers offer unprecedented expertise and education on Ai-DBA product. Our engineers openly sharing information with a goal of improving the user experience and product functionalities.

Receive hotfixes



The hotfix is built by developers and applied to identical environment or all existing Ai-DBA services. Hotfixes are tested at engineering lab environment prior release to production.



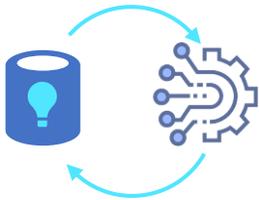
#1 in customer satisfaction
Once you try, you will love it



Achievement Unlocked

You can trust Ai-DBA to do the job for you.

Intelligence administration



2500 databases are managed on daily basis

846 Catastrophic issues predicted and mitigated

6 SQL Server farms evaluated for consolidation

23 Pairs of SQL Server instances evaluated for high availability

Choice of target SQL Server



2500 databases are involved

85% Mission critical databases

15% Cloud hosted

Intelligence performance optimization



186,000 resource intensive queries tuned

Average **55%** performance improvement per database

Insights over data security



1,075,000 data access pattern learnt

35,000 abnormal data access identified and alerted



For developers



Solution extension

Build addons for your needs by leveraging existing interfaces



Challenge

Integration with already processed data by machine learning engines are extremely complex



Solution

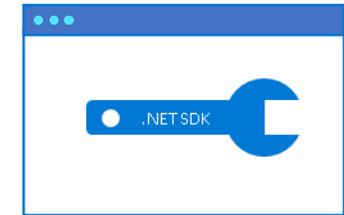
Restful API and already built .NET SDK solution

Restful API



Collected statistical data and data generated by machine learning models are available through Restful API with extensive parameters

.NET SDK



Hassle-free development by already built .NET SDK to consume and store data for local application utilization.



Subscription plans



Feature and edition comparison

Try it, it will work and you can trust Ai-DBA

	Standard	Premium
Intelligence maintenance window	●	●
Preventive maintenance	●	●
Proactive administration	●	●
Intelligence structure and index analysis	●	●
Active directory synchronization	●	●
Intelligence internet search	●	●
Problematic queries revision		●
Intelligence communication		●
Intelligence data masking		●
Expensive query plan resolution		●
Intelligence abnormal activity detection		●
Intelligence self-healing		●
Intelligence high availability		●
Intelligence consolidation		●



Subscription plans

The most reasonable cost for cutting edge intelligence solution

	Standard	Premium
Per SQL Server Instance	4,000/Year	5,000/Year
Up to 100 SQL Server Instances		8,000/Month
Up to 300 SQL Server Instances		15,000/Month
Up to 500 SQL Server Instances		25,000/Month
Above 500 SQL Server Instances		Contact our sales representative

The price list is in USD currency.



Solution Availability

Trusted and promoted by industry leaders



Try it, it works and you can trust it.

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