

AI AGENT SQL SERVER 2025

Intelligent deployment for Standalone instances and 2-node Failover Cluster Instances.

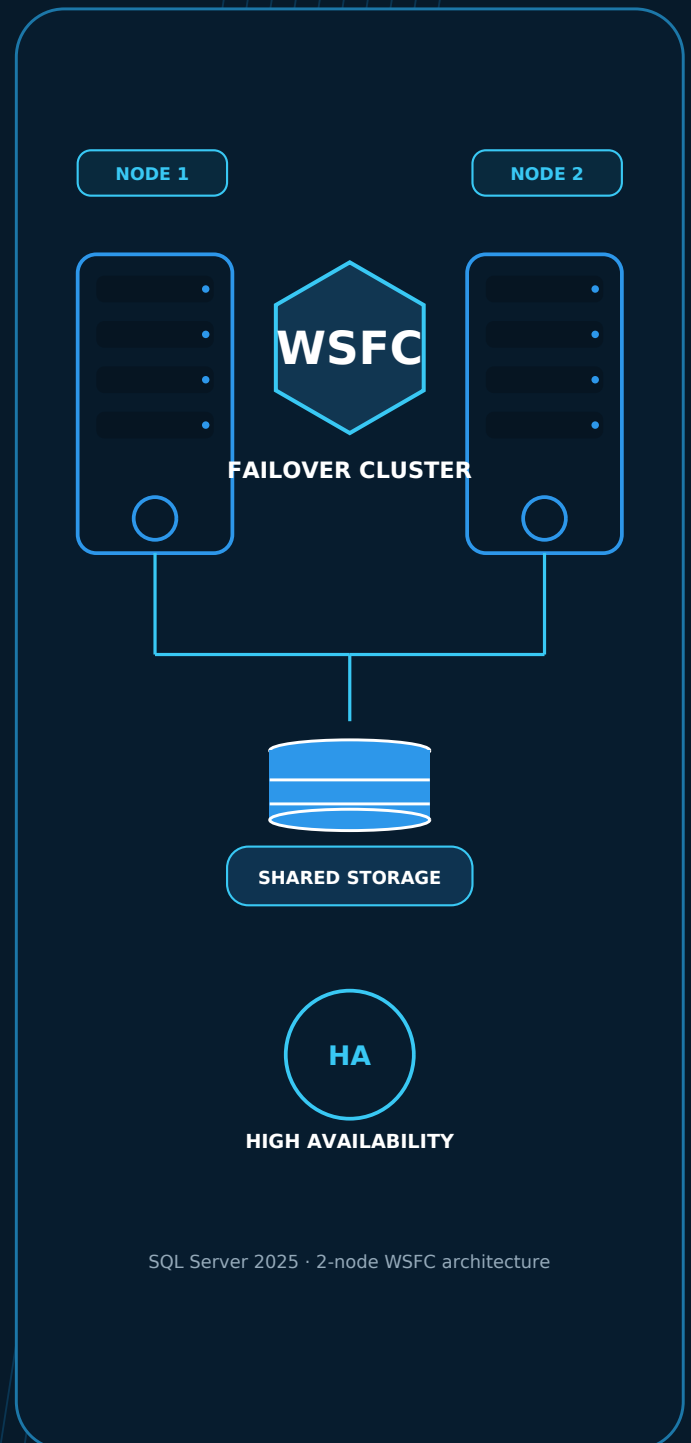
Specialized AI agent that evaluates the environment, validates SQL Server best-practice criteria, and applies them when creating a SQL Server 2025 Failover Cluster Instance or SQL Server 2025 Standalone Instance.

Windows Server 2019 / 2022 / 2025

SQL Server 2025

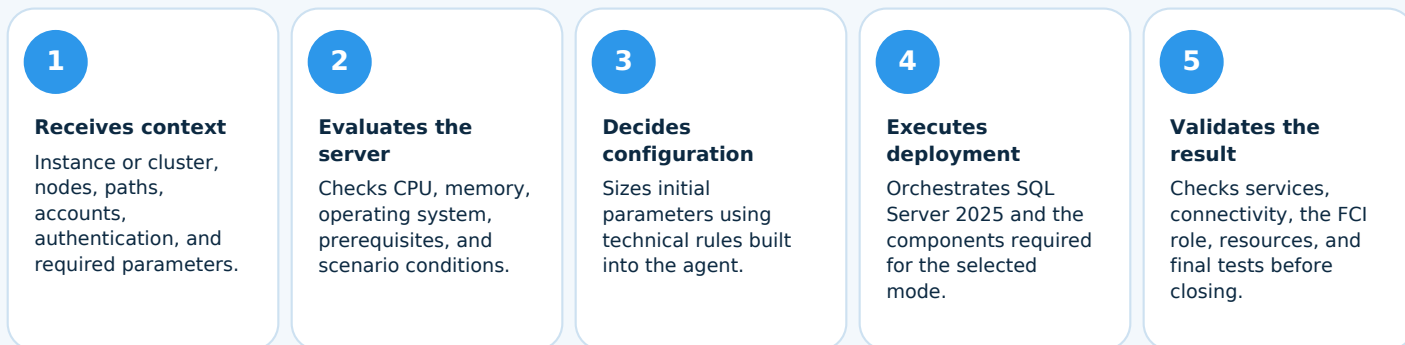
Standalone

FCI - 2 nodes



An agent that interprets context before execution

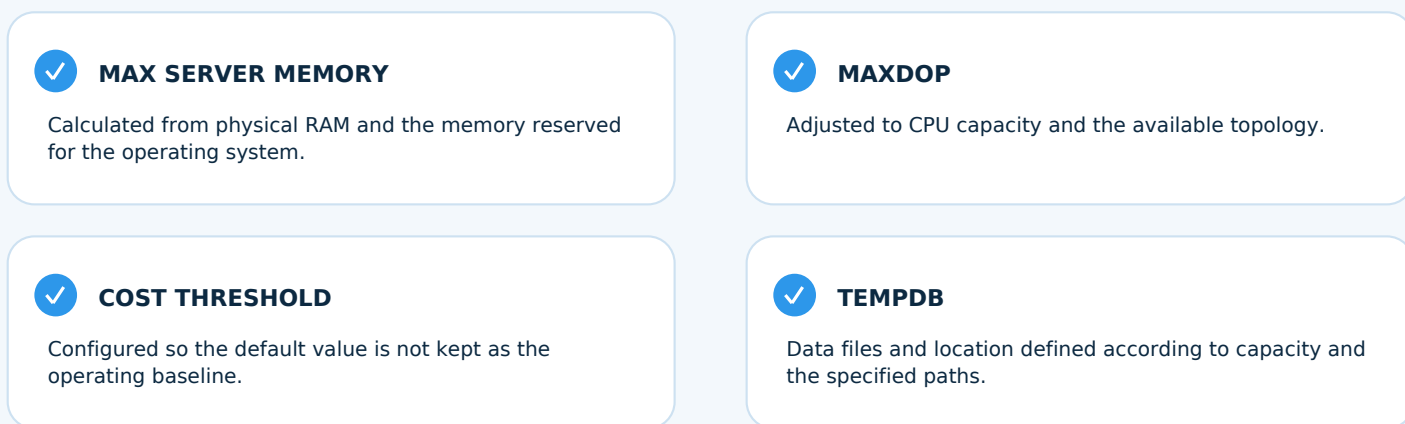
The agent turns a normally manual task into a controlled flow of evaluation, decision, execution, and validation. It starts from a minimal set of environment parameters and applies SQL Server 2025-specific logic instead of repeating a fixed sequence without context.



Intelligence applied to deployment

The agent adds a technical decision layer: it reviews the environment state, evaluates real hardware capacity, applies best-practice criteria, and validates that the deployment is technically consistent.

Initial configuration applied by the agent



Result: a configured, validated, and documented instance with technical criteria applied from the start. Traceability and verification are part of the agent workflow.

Standalone or Failover Cluster Instance

The mode is selected according to the target architecture. The agent changes its validations and technical workflow according to the scenario.

MODE 01

STANDALONE

1 HOST / SQL SERVER 2025



Objective

Deploy a new independent SQL Server 2025 instance and leave it operational with its initial configuration and validations.

THE AGENT PERFORMS

- ✓ Validates hardware, operating system, and prerequisites.
- ✓ Prepares deployment using the defined accounts, collation, authentication, and paths.
- ✓ Deploys Database Engine and SQL Server Management Studio.
- ✓ Applies memory, MAXDOP, Cost Threshold, and TempDB settings.
- ✓ Checks the service, connectivity, and post-deployment result.

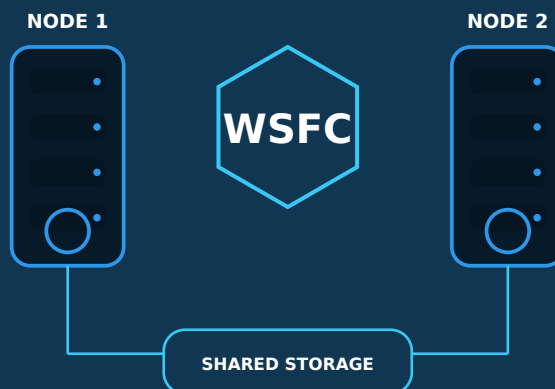
COMPATIBILITY

Windows Server 2019 / 2022 / 2025
SQL Server 2025

MODE 02

FAILOVER CLUSTER

2 NODES / WSFC / SQL SERVER 2025



Objective

Deploy a 2-node SQL Server Failover Cluster Instance on a preconfigured WSFC, with resources and connectivity validated.

THE AGENT PERFORMS

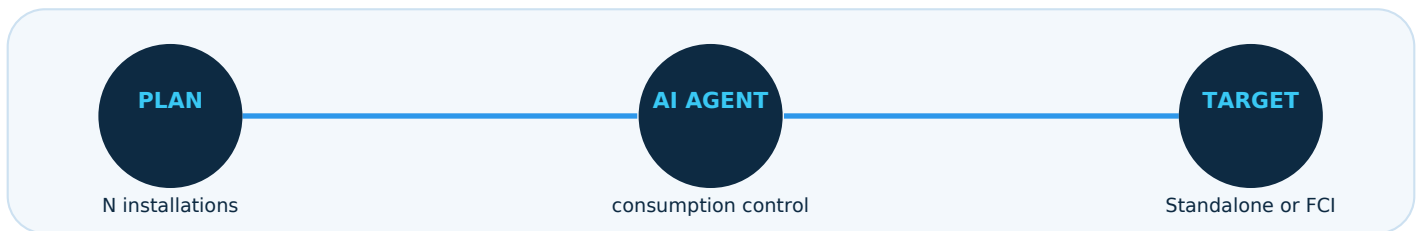
- ✓ Validates WSFC, nodes, shared storage, and role parameters.
- ✓ Deploys the FCI on the first node and adds the second node.
- ✓ Configures and validates Network Name, IP, disks, services, and accounts.
- ✓ Checks that the SQL role is Online/Running and reachable through the virtual name.
- ✓ Runs a test failover and performs final cluster validation.

KEY PREREQUISITE

A preconfigured 2-node WSFC, network and shared storage available, and accounts/AD according to the design.

Licensing by number of installations

The agent is licensed by deployment capacity: the purchased plan defines how many authorized installations it can execute.



How the license works

Purchased capacity

The commercial package establishes the number of available installations.

Controlled consumption

Each deployment is counted according to the conditions of the contracted plan.

Plan rules

Retries, replacements, or special scenarios are governed by the applicable commercial offer.

Microsoft licenses

Windows Server, SQL Server, and other third-party licenses are not included in the agent license.

What the IT team gets

- ✓ Standardized deployments across servers and environments.
- ✓ Initial configuration decisions based on actual hardware capacity.
- ✓ One agent for Standalone and 2-node FCI.
- ✓ Fewer manual steps and less exposure to transcription errors.
- ✓ Technical validations before the execution is closed.
- ✓ Result traceability for DBA / Infrastructure team review.

SEE THE AGENT IN ACTION

Request a demonstration or watch the technical video to see the agent workflow.



VIDEO DEMO



CONSULTORDBA.COM

Scope: SQL Server 2025 deployment in the modes described. Microsoft licensing, security, backups, DR, and change approval remain the organization's responsibility.