NetApp

Release notes

Database workloads

NetApp
February 04, 2026

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Release notes

What's new with NetApp Workload Factory for Databases

Learn what's new with NetApp Workload Factory for Databases.

02 February 2026

Improved cost savings for several database hosts on Microsoft SQL Server on-premises

The cost savings analysis for Microsoft SQL Server on-premises storage has been enhanced to provide a consolidated storage solution for several database hosts on one FSx for ONTAP file system. This consolidation optimizes storage costs by reducing the number of file systems required for multiple database hosts, leading to improved cost savings.

[Explore savings for detected hosts on Microsoft SQL Server on-premises](#)

Well-architected analysis for Oracle

The well-architected analysis includes four new sub assessments for the storage configuration analysis for Oracle: dNFS enablement, dNFS consistent IP resolution, dNFS configuration file, and dNFS `nosharecache`. These assessments relate to enabling and setting up Direct NFS (dNFS) for your Oracle environment, which bypasses the host NFS client and performs NFS file operations directly on an NFS server, improving I/O performance and decreasing the load on the host and the storage system because I/O is performed more efficiently.

[Implement well-architected database configurations in Workload Factory](#)

04 January 2026

Ask me AI assistant home page integration

The Workload Factory console home page embeds the Ask me AI assistant, enabling you to ask questions about your own storage estate, get personalized insights directly from your environment, and refer to previous conversations. You can interact with Ask me to understand your workloads, troubleshoot issues, and learn more about Workload Factory — all without leaving the console.

18 December 2025

Active Directory integration enhancements

Workload Factory for Databases includes three new Active Directory (AD) fields when deploying Microsoft SQL Server using the **Advanced create** option. These enhancements let you to specify Active Directory join preferences and use a managed service account.

The new AD fields are:

- Preferred Domain Controller
- Preferred Organizational Unit Path
- Target Active Directory Group

[Deploy Microsoft SQL Server](#)

27 November 2025

Optimize savings in the Databases calculator for Amazon Elastic Block Store (EBS)

Two new calculator features improve the cost savings analysis when running multiple instances with EBS storage so that you can save more by switching to FSx for ONTAP.

- Workload Factory provides a consolidated storage solution for several database hosts on one FSx for ONTAP file system. This consolidation optimizes storage costs by reducing the number of file systems required for multiple database hosts, leading to improved cost savings.
- Workload Factory analyzes your EBS performance usage and then suggests the best and most cost-efficient FSx for ONTAP configuration.

[Explore savings for detected EBS hosts](#)

Excel report available for the well-architected dashboard

You can download an Excel report of the well-architected dashboard. The report provides the well-architected status for the database resource and recommendations for all resource configurations, including sub-configurations for operating system and ONTAP.

Error log analyzer available for Oracle databases

The Agentic AI-powered error log analyzer is available for Oracle databases. The feature leverages advanced machine learning algorithms to automatically detect and analyze errors in log files. This tool aims to streamline the troubleshooting process by providing developers with actionable insights and recommendations based on the patterns it identifies in the logs.

[Learn more about the Agentic AI-powered error log analyzer](#)

Well-architected analysis for Oracle

The well-architected analysis includes two new storage sizing configurations. The analysis assesses and fixes configuration issues related to swap space allocation and file system headroom for existing Oracle database deployments.

[Implement well-architected database configurations in Workload Factory](#)

02 November 2025

Dashboard improvements

The new dashboard is streamlined and better organized to provide a clearer overview of your database resources and the key functionalities of Workload Factory on one screen; one card highlights database resources, one card provides information about the well-architected score and analysis, one card displays error analysis, two cards display monthly cost and potential savings, and one card displays information on sandboxes.

Well-architected analysis for Oracle

The well-architected analysis includes the following assessments and fixes for Oracle configurations:

- Storage configuration operating system using the NFS protocol: assesses and fixes configuration issues with the NFS configuration for existing Oracle database deployments.
- Storage configuration operating system using the iSCSI protocol: assesses and fixes configuration issues with the iSCSI configuration for existing Oracle database deployments.
- Storage configuration operating system using Automatic Storage Management (ASM): assesses configuration issues with the ASM configuration for existing Oracle database deployments.

Implement well-architected database configurations in Workload Factory

Permissions changes for Workload Factory for Databases

Workload Factory for Databases updated the permissions policies to provide more clarity into what it requires for specific actions and granularity for selecting only the permissions you need. When you add credentials, you'll have three permissions options to choose from instead of the previous permissions model which was *read-only* and *read/write*. The new permissions model breaks up the permissions policies as follows:

- *View, planning, and analysis*: view the inventory of database resources, learn about the health of your resources, review the well-architected analysis of your database configurations, get error log analysis, and explore savings
- *Operations and remediation*: perform operational tasks for your database resources and fix issues for database configurations and the underlying FSx for ONTAP file system storage
- *Database host creation*: deploy database hosts and the underlying FSx for ONTAP file system storage according to best practices

When adding credentials, you can select one or more of these permission policies based on the level of access you want to provide to Workload Factory for Databases.

Workload Factory permissions reference

Well-architected dashboard screen added

A new *Well-architected* dashboard screen has been added to the Databases menu. From this screen, you can get an aggregated view of the configuration status of your entire database estate.

Edit protection for database deployments in NetApp Backup and Recovery

From the Workload Factory console, you can select to edit protection for a protected resource and then you'll be redirected to Backup and Recovery in the NetApp Console where you can modify the protection policy or schedule.

Edit protection for database deployments

Error filtering by tags available for the error analysis feature

You can filter and view Microsoft SQL Server error logs by infrastructure-oriented tags when using the error analysis feature in Workload Factory. This enhancement helps you quickly triage, troubleshoot, and resolve issues.

Analyze error logs with tag filtering

06 October 2026

BlueXP workload factory now NetApp Workload Factory

BlueXP has been renamed and redesigned to better reflect the role it has in managing your data infrastructure. As a result, BlueXP workload factory has been renamed to NetApp Workload Factory.

Enhancements for Oracle in the Workload Factory console

Oracle database resource screen

Each Oracle database has its own dedicated resource screen available from the Databases inventory. The resource screen provides an overview with the database name, status (on or offline), tenancy, and deployment type. Also included are charts with the following data over a three-month period: CPU utilization, latency, IOPS, and throughput. Capacity utilization provides total size for the database, written data size, used solid-state drive capacity, and used capacity pool storage.

From the resource screen, you can view information about the Oracle server (deployment model, OS, edition, version, and more), location (AWS account, region, Availability Zone, and subnet), storage and compute (FSx for ONTAP file system details, database instance type, and associated LUNs and volumes), and connectivity (VPC and access protocol). You can also check the well-architected status of the database configurations and view pluggable databases (PDBs) associated with the database.

Support for Oracle pluggable databases

Oracle pluggable databases are viewable in the Databases inventory and from the resource screen of their parent container database. The following information about your PDBs is available: CDB name, host name, protection status, database size, FSx for ONTAP file system, AWS credentials, AWS account, and region.

Well-architected analysis for Oracle

The well-architected analysis includes assessments of configuration issues with the storage layout for Oracle databases over NFS or over iSCSI with or without Automatic Storage Management (ASM) and storage configuration issues on the operating system for Oracle over iSCSI LUNs. You can use this information to make informed decisions about your database deployments and ensure they are running efficiently.

Implement well-architected database configurations in Workload Factory

Databases inventory enhancements

From the instance screen in the Databases inventory, the options to fix, postpone, and dismiss a configuration issue are available for single or multiple instances for Microsoft SQL Server or for single or multiple databases for Oracle.

Optimize savings based on usage for Amazon Elastic Block Store (EBS)

Workload Factory can analyze your EBS performance usage and then suggest the best and most cost-efficient FSx for ONTAP configuration so that you can save more by switching to FSx for ONTAP.

Explore savings for detected storage environments in the Workload Factory console

1 September 2025

Agentic AI-powered error log analyzer

The Agentic AI-powered error log analyzer is a new feature that leverages advanced machine learning algorithms to automatically detect and analyze errors in log files. This tool aims to streamline the troubleshooting process by providing developers with actionable insights and recommendations based on the patterns it identifies in the logs.

Learn more about the Agentic AI-powered error log analyzer

Oracle support

Workload factory includes support for Oracle databases. In the workload factory console, you can view your Oracle databases from the inventory, register databases to use advanced features in workload factory, and analyze Oracle databases for alignment with best practices using the well-architected feature. The well-architected analysis determines whether the storage configurations for Oracle databases are optimized. You can use this information to make informed decisions about your database deployments and ensure they are running efficiently.

Implement well-architected database configurations in workload factory

Support for Microsoft SQL Server deployments on second-generation FSx for ONTAP file systems

Workload factory supports Microsoft SQL Server deployments on second-generation FSx for ONTAP file systems. This enhancement allows you to leverage the latest features and performance improvements available in the second-generation file systems while managing your SQL Server workloads.

Windows authentication for SQL Server protection

Authenticating Microsoft SQL Server instances with Windows credentials is embedded in the workflow to prepare Microsoft SQL Server hosts for protection with BlueXP backup and recovery. This used to be a prerequisite step to complete manually. Instead, you'll be prompted to share Windows credentials with administrative access if you haven't registered the hosts in workload factory using Windows credentials.

Learn how to protect Microsoft SQL Server workloads via the workload factory console.

Well-architected analysis includes MTU alignment for SQL Server

The well-architected analysis assesses and fixes Maximum Transmission Unit (MTU) misalignment across endpoints for Microsoft SQL Server on FSx for ONTAP storage. Aligning MTU settings helps to optimize network performance and reduce latency for SQL Server workloads.

Implement well-architected database configurations in workload factory

12 August 2025

BlueXP backup and recovery now supports Microsoft SQL Server workloads

BlueXP backup and recovery enables you to back up, restore, verify, and clone Microsoft SQL Server databases and availability groups. From the workload factory console, you can access and use BlueXP backup and recovery to protect Microsoft SQL Server workloads.

Learn how to protect Microsoft SQL Server workloads via the workload factory console.

For details about BlueXP backup and recovery, refer to the Protect Microsoft SQL workloads overview with BlueXP backup and recovery.

04 August 2025

Well-architected analysis includes high-availability cluster validation

The well-architected analysis now includes validation for high-availability clusters. This validation checks all cluster-related configurations from the server side, including disk availability and configuration on both nodes, Windows cluster configuration, and failover readiness. This ensures that the Windows cluster is properly set up and can successfully failover when needed.

Implement well-architected database configurations in workload factory

Multi-level menu available for instances

The workload factory console now includes a multi-level menu for instances. This change provides a more organized and intuitive navigation structure for managing instances. Menu options for instance management include viewing the instance dashboard, viewing databases, creating a database, and creating a sandbox clone.
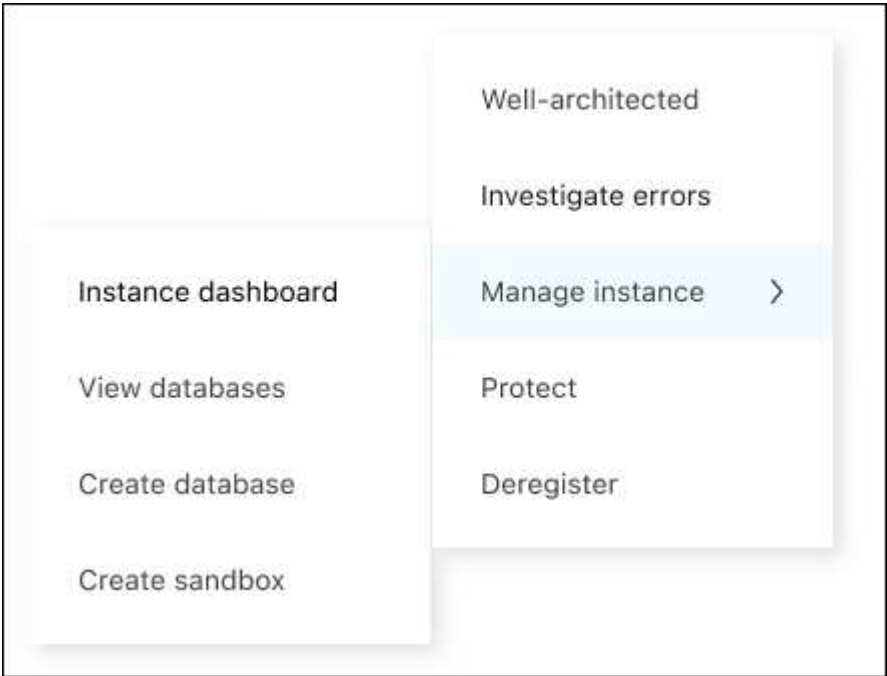
New authentication option to explore savings

When the `NT Authority\SYSTEM` user doesn't have sufficient permissions on the Microsoft SQL Server, you can authenticate with SQL Server credentials or add the missing SQL Server permissions to `NT Authority\SYSTEM`.

Explore potential savings for your database environments with Amazon FSx for NetApp ONTAP

30 June 2025

BlueXP workload factory notification service support

The BlueXP workload factory notification service enables workload factory to send notifications to the BlueXP alerts service or to an Amazon SNS topic. Notifications sent to BlueXP alerts appear in the BlueXP alerts panel. When workload factory publishes notifications to an Amazon SNS topic, subscribers to the topic (such

as people or other applications) receive the notifications at the endpoints configured for the topic (such as email or SMS messages).

Configure BlueXP workload factory notifications

Workload factory provides the following notifications for Databases:

- Well-architected report
- Host deployment

Onboarding enhancement for registering instances

Workload factory for Databases has improved its onboarding process for registering instances running on Amazon FSx for NetApp ONTAP storage. You can now select instances in bulk for registration. Once an instance is registered, you can create and manage database resources within the workload factory console.

Instance management

Analysis and fix for Microsoft Multipath I/O timeout setting

The well-architected status for your database instances now includes the analysis and the fix for the Microsoft Multipath I/O (MPIO) timeout setting. Setting the MPIO timeout to 60 seconds ensures FSx for ONTAP storage connectivity and stability during failovers. If the MPIO setting isn't set accordingly, workload factory will provide a fix to set the MPIO timeout value to 60 seconds.

Implement well-architected database configurations in workload factory

Enhancements to graphics in instance inventory

From the instance inventory screen, various resource utilization graphs like throughput and IOPS now display 7 days of data so that you can monitor performance of SQL nodes from the workload factory console more efficiently. The performance metrics gathered from the SQL nodes will be saved in Amazon CloudWatch which can be used for Logs Insights or integrating with other analytic services in your environment.

From the Instances and Databases tabs within the inventory, we've enhanced the description and visualization for protection.

Support for Windows authentication in workload factory

Now workload factory supports SQL Server authentication using Windows authenticated users to register instances and benefit from management features.

Register instances in workload factory for Databases

03 June 2025

PostgreSQL and Oracle detection

You can now discover the instances that are running PostgreSQL server databases and Oracle database deployments in your AWS account within the workload factory console. Discovered instances will appear in the Databases inventory.

Updated "Optimization" terminology

Previously called "Optimization", workload factory now uses "well-architected issues" and "well-architected status" to describe the analysis of database configurations and "fix" to describe remediation for opportunities to improve database configurations to meet best practice recommendations.

Configuration analysis for database environments in workload factory

Improved onboarding for instances

Instead of "undetected", "unmanaged", or "managed" term usage for instance management, workload factory now uses "register" for onboarding instances. The new registration process includes authenticating and preparing instances so that you can create, monitor, analyze, and fix resources in your database configurations within the workload factory console. The preparation step in the registration process indicates whether your instances are ready for management.

Instance management

04 May 2025

Dashboard enhancements

- Cross-account and cross-region views are available as you navigate between tabs in the BlueXP workload factory console. The new views improve resource management, monitoring, and optimization.
- From the **Potential savings** tile in the dashboard, you'll be able to quickly review what you might save by switching to FSx for ONTAP from Amazon Elastic Block Store or Amazon FSx for Windows File Server.

Ad hoc scan available for database configurations

BlueXP workload factory for Databases automatically scans managed Microsoft SQL Server instances with FSx for ONTAP storage for potential configuration issues. Now in addition to the daily scan, you can scan at any time.

Removal of on-premises assessment records

After you've explored savings for a Microsoft SQL server on-premises host, you have the option to remove the on-premises host record from BlueXP workload factory.

Optimization enhancements

Clone cleanup

The clone cleanup assessment and remediation identifies and manages old and costly clones. Clones that are older than 60 days can be refreshed or deleted from the BlueXP workload factory console.

Postpone and dismiss configuration analysis

Some configurations might not apply to your database environments. You now have options to postpone a particular configuration analysis by 30 days or dismiss the analysis.

Updated permissions terminology

The workload factory user interface and documentation now use "read-only" to refer to read permissions and "read/write" to refer to automate permissions.

04 April 2025

Optimization enhancements

New optimization assessments, remediations, and the display of multiple resources are available when optimizing your database environments.

Resiliency assessments

The enhancements include new resiliency assessments to check that data redundancy and disaster recovery capabilities are configured for your database environments.

- FSx for ONTAP backups: analyzes if FSx for ONTAP file systems serving the SQL Server instance's volumes are configured with scheduled FSx for ONTAP backups.
- Cross-region replication: assesses if FSx for ONTAP file systems serving Microsoft SQL Server instances are configured with cross-region replication.

Compute remediation

Receive Side Scaling (RSS) remediation configures RSS to distribute network processing across multiple processors and ensure efficient load distribution.

Local snapshot remediation

Local snapshot remediation sets up snapshot policies for volumes for your Microsoft SQL Server instances to keep your database environments resilient in case of data loss.

Optimize configurations

Support for multiple resource selection

When optimizing database configurations, you'll now be able to select specific resources instead of all resources.

Optimize configurations

Improved Inventory view

The Inventory tab in the workload factory console has been streamlined so that it contains only SQL servers running on Amazon FSx for NetApp ONTAP. Now you'll find SQL servers on-premises and running on Amazon Elastic Block Store and Amazon FSx for Windows File Server in the Explore savings tab.

Quick create available for PostgreSQL server deployment

You can use this fast deployment option to create a PostgreSQL server with HA configuration and embedded best practices.

Create a PostgreSQL server in BlueXP workload factory

03 March 2025

PostgreSQL high-availability configuration

You can now deploy a high-availability (HA) configuration for PostgreSQL server.

[Create a PostgreSQL server](#)

Terraform support for PostgreSQL server creation

You can now use Terraform from the Codebox to deploy PostgreSQL.

- [Create a PostgreSQL database server](#)
- [Use Terraform from Codebox](#)

Resiliency assessment for local snapshot schedule

A new resiliency assessment is available for database workloads. We assess if volumes for your Microsoft SQL Server instances have valid scheduled snapshot policies. Snapshots are point-in time copies of your data and help keep your database environments resilient in case of data loss.

[Optimize configurations](#)

MAXDOP remediation for database workloads

BlueXP workload factory for Databases now supports remediation for the maximum degree of parallelism (MAXDOP) server configuration. When MAXDOP configuration is suboptimal, you can let BlueXP workload factory optimize the configuration for you.

[Optimize configurations](#)

Email savings analysis report

When exploring savings for your Amazon Elastic Block Store and FSx for Windows File Server storage environments when compared with FSx for ONTAP, you can now send the recommendation report via email to yourself, team members, and customers.

03 February 2025

On-premises database environments cost analysis and migration planning

BlueXP workload factory for Databases now detects, analyzes, and help you plan for on-premises database migration to Amazon FSx for NetApp ONTAP. You can use the savings calculator to estimate the cost of running your on-premises database environment in the cloud and review recommendations for migrating your on-premises database environment to the cloud.

[Explore savings for on-premises database environments](#)

New optimization assessments for Databases

The following assessments are now available in BlueXP workload factory for Databases. These assessments are focused on detecting and protecting against potential security vulnerabilities and detecting and alleviating performance bottlenecks.

- **Receive side scaling (RSS) configuration**: checks if the RSS configuration is enabled and if the number of queues is set to the recommended value. The assessment also provides recommendations to optimize the RSS configuration.
- **Maximum Degree of Parallelism (MAXDOP) server configuration**: The assessment checks if MAXDOP is configured correctly and provides recommendations to optimize performance.

- **Microsoft SQL Server patches**: The assessment checks if the latest patches are installed on the SQL Server instances and provides recommendations to install the latest patches.

Optimize configurations

06 January 2025

Databases Dashboard enhancements

A new design of the Dashboard includes the following graphics and enhancements:

- Host distribution graph shows the number of Microsoft SQL Server hosts and PostgreSQL hosts
- Instances distribution details include the total number of detected instances and the number of managed Microsoft SQL Server and PostgreSQL instances
- Databases distribution details include the total number of databases and the number of managed Microsoft SQL Server and PostgreSQL databases
- Optimization score and statuses for managed and online instances
- Optimization details for storage, compute, and application categories
- Optimization details for Microsoft SQL Server instance configurations like storage sizing, storage layout, ONTAP storage, compute, and applications
- Potential savings for database workloads running on Amazon Elastic Block Store and FSx for Windows File Server storage environments compared to Amazon FSx for NetApp ONTAP storage

New 'Completed with issues' status in Job monitoring

The job monitoring feature for Databases now provides the new 'Completed with issues' status so that you can learn which sub jobs had issues and what the issues are.

Monitor your databases

Assessment and optimization for over-provisioned Microsoft SQL Server licenses

The savings calculator now evaluates whether Enterprise edition is required for your Microsoft SQL Server deployment. If a license is over-provisioned, the calculator recommends downgrading. You'll be able to automatically downgrade the license in Databases by optimizing the application.

- Explore savings with FSx for ONTAP for your database workloads
- Optimize your SQL Server workloads

01 December 2024

Continuous optimization adds compute remediation and assessment

Databases now provides insights and recommendations to help you optimize compute resources for Microsoft SQL Server instances. We measure CPU utilization and leverage the AWS Compute Optimizer service to recommend optimal right-sized instance types and notify you of available operating system patches. Optimizing compute resources can help you make informed decisions about instance types, leading to cost savings and efficient resource utilization.

Optimize compute resource configurations

PostgreSQL support

You can now deploy and manage standalone PostgreSQL server deployments in Databases.

Create a PostgreSQL server

3 November 2024

Continuously optimize your Microsoft SQL Server workloads with Databases

BlueXP workload factory introduces continuous guidance and guardrails to ensure ongoing optimization and adherence to best practices for the storage component of your Microsoft SQL Server workloads on Amazon FSx for NetApp ONTAP. This feature continuously scans your Microsoft SQL Server estate offline, providing you with a comprehensive report of insights, opportunities, and recommendations to help you achieve peak performance, cost-efficiency, and compliance.

Optimize your SQL Server workloads

Terraform support

You can now use Terraform from the Codebox to deploy Microsoft SQL Server.

- Create a database server
- Use Terraform from Codebox

29 September 2024

Explore savings for detected Microsoft SQL servers on FSx for Windows File Server

You can now explore savings of detected Microsoft SQL servers on Amazon EC2 with FSx for Windows File Server storage in the savings calculator. Depending on your SQL server and storage requirements, you might find that FSx for ONTAP storage is the most cost effective for your database workloads.

Explore savings with FSx for ONTAP for your database workloads

1 September 2024

Explore savings via customization

You can now customize configuration settings for Microsoft SQL server on Amazon EC2 with FSx for Windows File Server and Elastic Block Store storage in the savings calculator. Depending on your storage requirements, you might find that FSx for ONTAP storage is the most cost effective for your database workloads.

Explore savings with FSx for ONTAP for your database workloads

Navigate to the savings calculator from the home page

You can now navigate to the savings calculator from the workload factory console home page. Select from Elastic Block Store and FSx for Windows File Server to get started.
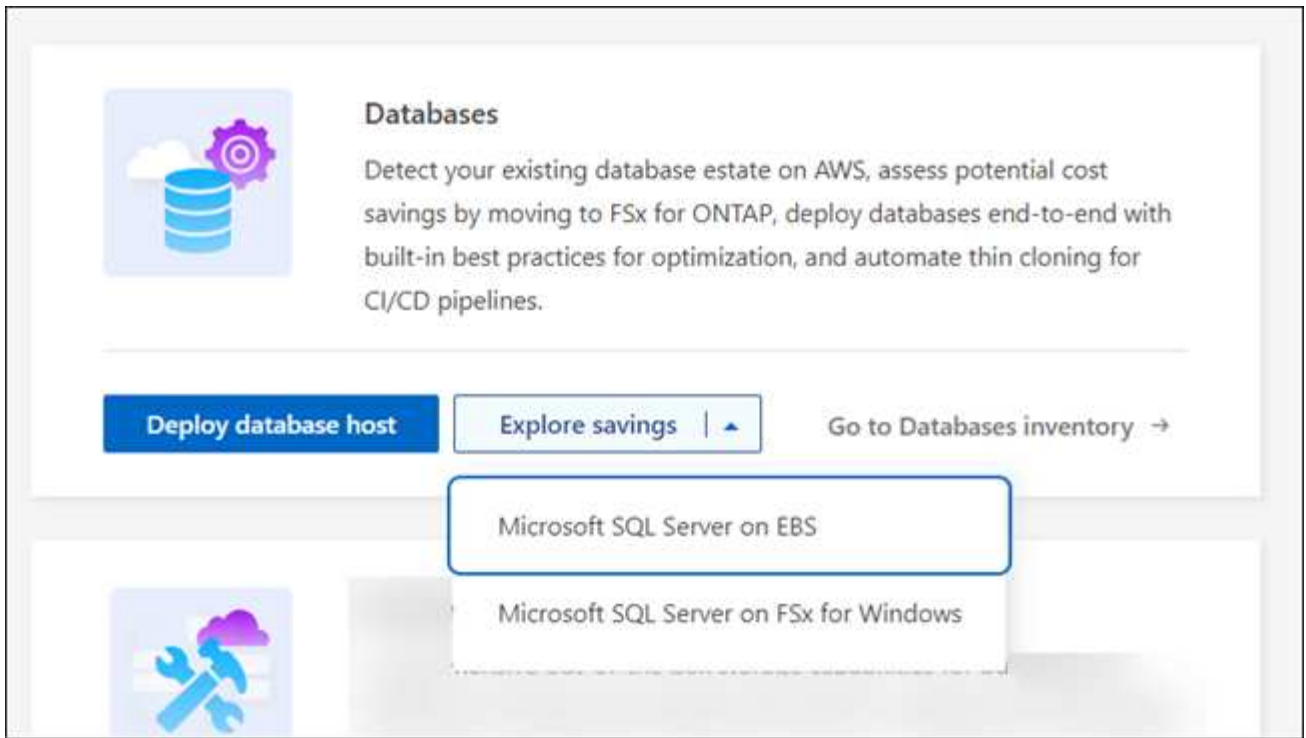
4 August 2024

Savings calculator enhancements

- Cost estimate descriptions

  You can now learn how cost estimates are calculated in the savings calculator. You'll be able to review descriptions of all calculations for your Microsoft SQL Server instances using Amazon Elastic Block Store storage as compared to using Amazon FSx for ONTAP storage.

- Support for Always On availability group

  Databases now provides cost savings calculations for the Always On availability group deployment type with Microsoft SQL Server using Amazon Elastic Block Store.

- Optimize SQL server licensing with FSx for ONTAP

  The Databases calculator determines whether the SQL license edition you use with Amazon Elastic Block Store storage is optimized for your database workloads. You'll get a recommendation for the optimal SQL license with FSx for ONTAP storage.

- Multiple SQL server instances

  Databases now provides cost savings calculations for a configuration hosting multiple Microsoft SQL Server instances using Amazon Elastic Block Store.

- Customize calculator settings

  Now you can customize settings for Microsoft SQL Server, Amazon EC2, and Elastic Block Store to explore savings manually. The savings calculator will determine the best configuration based on cost.

Explore savings with FSx for ONTAP for your database workloads

7 July 2024

Initial release of BlueXP workload factory for Databases

The initial release includes the capability to explore savings with Amazon FSx for NetApp ONTAP as the storage environment for your database workloads, detect, manage, and deploy Microsoft SQL Servers, deploy and clone databases, and monitor these jobs within workload factory.

Learn about Databases

Known limitations for NetApp Workload Factory for Databases

Known limitations identify platforms, devices, or functions that are not supported with NetApp Workload Factory for Databases, or that do not interoperate correctly with it. Review these limitations carefully.

Instance detection support

Workload Factory supports the detection of PostgreSQL instances running only on Amazon Linux operating systems and Oracle instances running only on Red Hat Enterprise Linux.

AMI image version support

We only show up to four recent versions or revisions of AMI images for each SQL version. We don't allow installation from an AMI image that is older than the latest four versions.

Custom AMI

Deployment with a custom AMI assumes that install media is present in the image. This is needed for FCI configuration for the following reasons:

- To uninstall and reconfigure to form the FCI cluster
- When selecting a collation other than the collation set in the image for standalone deployment

As part of deployment, Workload Factory doesn't install a custom AMI with multiple Microsoft SQL Server instances. Only the default Microsoft SQL Server instance is selected and configured as part of deployment.

Roll back and retry for failed deployments

Rollback and retry for failed deployments aren't supported in Workload Factory. You can roll back or retry a failed stack from the CloudFormation console in AWS.

Active Directory and DNS resource rollback

The following DNS resources aren't removed from Active Directory and DNS when you roll back a test or failed deployment from the CloudFormation console in AWS:

- Each node of the SQL deployment to its management IP address
- Windows Cluster name to the reserved secondary IP addresses of EC2 instances in cases of FCI

- SQL FCI name to the two reserved IP addresses from both EC2 instances in FCI

You'll need to cleanup these up manually or wait for the domain to purge stale entries.

Always On availability groups configuration support

Managing Always On availability groups configurations isn't supported in Workload Factory.

Custom encryption keys

Custom encryption keys for FSx for ONTAP aren't listed based on service applicability. You must choose the appropriate key. AWS managed keys are filtered based on applicability to service.

CloudFormation template

A downloaded or copied Codebox-generated CloudFormation template (YAML file) has a limited retention period of seven days.

Sandbox support

The maximum number of sandbox clones that can be created from a database server is 90.

Microsoft SQL Server detection and management

Microsoft SQL Server detection isn't saved. Each time you access Databases in Workload Factory, Microsoft SQL Server detection runs again to identify SQL installations in the region.

Explore savings

In the Inventory tab, the estimated cost shown for each Microsoft SQL instance is calculated at the FSx for ONTAP file system level and not for volumes hosting the SQL instance.

Multiple FSx for ONTAP file systems

Workload Factory doesn't support creating or saving configurations for Microsoft SQL Server with multiple FSx for ONTAP file systems. Only one FSx for ONTAP file system configuration deployment is supported.

Optimization limitations

Compute rightsizing optimization

When changing to certain instance types, network configuration may be reset which may then cause node connection failure during optimization and result in job failure. Manual intervention may be needed to check and update the DNS setting and iSCSI sessions. Refer to Amazon Elastic Compute Cloud documentation for more information about EC2 resize limitations.

ONTAP and OS configuration optimization

Bulk optimization for more than one SQL Server instance is not supported for ONTAP configuration and OS configuration.

Operating system patch assessment for optimization

The operating system patch assessment that is made for optimization purposes may not work in a private network. The assessment relies on AWS Patch Manager. To understand how to patch Windows EC2 instances in a private network, refer to the AWS Cloud Operations Blog "How to patch Windows EC2 instances in private subnets Using AWS Systems Manager".

On-premises savings calculation

Cost and percentage savings calculations of volume size for Microsoft SQL Server on-premises storage isn't taken into consideration.

Cross-region replication assessment

- The optimization assessment can't determine if cross-region replication (CRR) is being used when the target FSx for ONTAP file system is in a different AWS account.
- Workload Factory assesses only the CRR configuration of the source FSx for ONTAP file system.

Database host authentication when exploring savings

In some cases with limited permissions, the explore savings page doesn't load data after successful authentication.

Integration with NetApp Backup and Recovery

After adding hosts to NetApp Backup and Recovery for protection, database discovery sometimes fails.

Region support

The following AWS regions aren't supported:

- China regions
- GovCloud (US) regions
- Secret Cloud
- Top Secret

Registering Oracle on SUSE Linux Enterprise Server 12

When registering Oracle Database on SUSE Linux Enterprise Server 12, Workload Factory does not install Python dependencies. You must manually configure the required Python version. Workload Factory requires the minimum version of 3.6; however, we recommend version 3.11.