

MIGRATE YOUR DATABASES TO AWS WITH

Bespin Global has a wide experience in helping customers migrate their own databases to Amazon Web Services (AWS) in a safe, efficient and reliable way. The source database remains fully operational during the migration process, minimizing the downtime for applications that rely on databases. Bespin Global leverages AWS Database Migration Service to migrate customers' data to and from the most widely used commercial and open-source databases. We support the customers in homogeneous migrations such as Oracle to Oracle, as well as heterogeneous migrations between different database platforms, such as Oracle or Microsoft SQL Server to Amazon Aurora leverage AWS schema conversion tool.

MINIMAL DOWNTIME

We ensure that planned Migration has minimal downtime or even virtually no downtime in some cases. Monitoring the progress of continuous replication to the target is highly important to maintain visibility and take actions accordingly. Making sure that the source database is fully functioning during the migration process without affecting your business is of utmost priority to us.

ONGOING REPLICATION

We can easily set up replication tasks depending on your requirement, either one-time migration or on-going replication. After the configuration, on-going replication tasks continuously duplicate the changes from the source database to the target database. If you have any other requirements with data transformation and validation, DMS features can be utilized as necessary during the replication task.

IMPROVED RELIABILITY

As DMS service is a managed application from AWS, we leverage it for any database migration to provide you with highly available, fault tolerant, automatic recovery solution. As issues might occur during the migration, the DMS service automatically restarts the migration process and checks where it previously stopped to continue the replication. For high-availability migrations and data replications, we utilize the DMS feature, Multi-AZ option by enabling redundant replication instances.

SUPPORT FOR WIDELY USED DATABASES

We can manage migration of your data to and from most widely used commercial and open-source databases. This includes support for both homogeneous migrations, as well as heterogeneous migrations between different database platforms. Migrations can be from on-premises databases to Amazon RDS or Amazon EC2, databases running on EC2 to RDS, or vice versa.

RDS- RELATIONAL DATABASE SERVICE

Relational Database Service makes it easier to set-up, operate and scale databases. It offers automatic auto-scaling, failover, upgrade, security patches and backups with cost-efficient value.

Bespinn Global utilizes and implements RDS, one of AWS database services, aligning with the customers' requirements while applying best practices in terms of availability, reliability, performance, and cost.

EASY ADMINISTRATION

Since RDS is a managed service by AWS, most of the administrative tasks is handled by AWS thus making your business focus more on the development cycle and improvement of applications and products. Updates and patches are included in the service and you can easily schedule them at any time that's convenient for you. Backup is fully automated and recovery features are super easy to manage. With AWS console, we can manage RDS for you using RDS database-specific features. You can quickly launch database instance and configure connection to the application with ease all within a few minutes.

IMPROVED RELIABILITY

Amazon RDS offers read replicas if your business needs database for read heavy workloads with asynchronous replication. Multi-availability zone option can be used for high availability with synchronous replication. A replica database is kept in sync with the primary database in case of failure and can be changed to primary as per requirement. Cross-region read replicas are available for workloads across different regions. Read Replicas can be manually promoted to standalone or primary depending on the database engine.

INCREASED SCALABILITY

Scaling the compute and storage resources of RDS instance can be achieved within minutes with no downtime. Storage Auto Scaling feature automatically scales the storage capacity with regards to dynamic workloads. Read Replicas is another feature which provides durability and serves all read request to offload computing usage from the main RDS.

ACCESS TO DIFFERENT ENGINE TYPES

Amazon RDS now offers six database engines: MariaDB, MySQL, Oracle, SQL Server, PostgreSQL and Amazon Aurora. Aurora is an AWS offering for MySQL-compatible database designed for scaling database applications with high availability feature with absolute no need for specialized tuning skills.

COST EFFICIENCIES

Being one of the most popular AWS service, you can enjoy it at a low cost due to massive economy of scale. Bespin Global also maximizes your benefit by offering flexible payment terms either on-demand or reserved instances with up-front or long-term commitments.

ENHANCED SECURITY

Security is of utmost priority and Bespin Global ensures that encryption at rest and in transit are always configured. Making the RDS encrypted and snapshots as well are a must to keep your data and information always secure. As RDS is a managed service, encryption can be achieved directly using different AWS services such as VPC and KMS.

AWS Config

As organizations acquire further assets for their modern cloud environment, visualizing the resources within their infrastructure can be difficult and time-consuming, especially for larger AWS deployments. As an AWS Config Managed Service Provider, Bespin Global has wide experience in helping organizations across all sizes implement AWS Config, a tool that continually assesses, audits, and evaluates resource configurations in a simplified and streamlined manner.

Why Use AWS Config?

Continuous Monitoring

Monitor changes to AWS resources over time.

Improved Operational Troubleshooting

Use historical configuration data for faster issue resolution

Resource & Cost optimization

Obtain insights into resource utilization and cost optimization opportunities.

Updated Compliance & Regulatory

Check the compliance of resource configurations with internal policies and regulatory standards.

Enhanced security

Identify potential security vulnerabilities and misconfigurations.

Bespin's AWS Config Managed Services

Our team of AWS Certified experts will work with your team to assess your needs, develop a customized implementation plan, and manage AWS Config on your behalf.

Assessment & Implementation

We will assess your current environment to design and deploy AWS config rules and remediation actions.

Management

Our team of AWS experts will provide ongoing monitoring of your AWS resources, manage your AWS Config rules, and ensure your troubleshooting and issues are resolved instantly.

On-Demand Reporting & Compliance

We offer detailed reports on your AWS resources, configuration changes, and compliance history, helping you monitor and optimize resource utilization and cost.

Helping businesses effectively leverage every benefit of building & deploying containerized applications on the AWS Cloud through the industry leading tools, features and capabilities offered by Amazon Elastic Container Services (Amazon ECS).

Amazon ECS is a fully managed container orchestration service that helps organizations easily deploy, manage, and scale containerized applications. The service can be deeply integrated with the rest of your AWS environment to provide a secure and easy-to-use solution for running container workloads on the AWS Cloud.

BESPIN GLOBAL + AWS

*Your Path to Stress-Free Containerized Application Deployment
Mastery*

OPTIMIZED SCALABILITY

Transform your monolithic application(s) into modular components, and unlock unparalleled flexibility to adapt to evolving business requirements, powered by the AWS Cloud

SWIFT APP DEPLOYMENTS

Expedite deployment processes, while also empowering teams to focus on specific application workloads for more targeted enhancements, ensuring quicker time-to-market & optimized performance.

EXPERT GUIDANCE AT EVERY STEP

Bespin Global's seasoned experts will provide you with hands-on guidance, ensuring your journey in building sustainable & scalable applications is smooth and well-guided.

SEAMLESS TRANSITIONS

The comprehensive compatibility offered by AWS ensures a seamless integration with existing business data systems, thus reducing migration complexities and streamlining the transition process.

FOCUS ON INNOVATION

Bespin Global eliminates the need for you to divert valuable resources towards the ongoing maintenance of infrastructure, enabling your team to stay laser-focused on app innovation & business-critical tasks.

SMART SAVINGS

We ensure maximum infrastructure efficiency by eliminating resource wastage & optimizing resource utilization, thus enabling you to allocate resources more strategically across your organization.

UNLOCK THE FULL POTENTIAL OF YOUR EXISTING CONTAINER APPLICATIONS

Partnering with Bepin Global & AWS brings you tremendous advantages, especially with regards to continuous optimization. Our team of experts, consisting of Migration Black-belts and Community Builders, will fine-tune your containerized infrastructure and ensure it stays aligned with industry best practices, always evolving alongside your changing business needs. With Bepin's expertise, you can extract maximum value from your existing container applications and maintain peak performance at all times.

AWS Direct Connect (DX) empowers businesses with a dedicated, high-performance link to AWS resources directly from on-premises environments. This service is vital for organizations navigating critical scenarios where dependable cloud access is paramount, including data-intensive workloads, real-time applications, or situations demanding consistent and reliable network performance. Leveraging our specialized expertise, Bepin Global stands out in facilitating the implementation of AWS Direct Connect, providing businesses of all sizes with a simplified and optimized connection to their cloud resources.

CONTACT BEPIN GLOBAL'S AWS SPECIALISTS

IMPROVE YOUR CLOUD CONNECTIVITY

with AWS Direct Connect

Dedicated Connection

Establish a dedicated network connection between your on-premises data center or corporate network and the AWS cloud.

Private & Secure

Enhance security and reduce exposure to potential threats with a private connection that does not traverse the public internet.

Consistent Network Performance

Improve network performance predictability and consistency by bypassing the internet.

Redundancy & Resilience

Strengthen reliability by establishing redundant connections, utilizing multiple Direct Connect locations, and seamlessly combining with VPN over Internet services, providing you with versatile and robust connectivity options.

Integration with AWS Services

Integrate seamlessly with various AWS services through Direct Connect, enabling efficient connectivity to resources like Amazon EC2 instances, Amazon S3 storage, and other essential components.

Hybrid Cloud Deployments

Leverage hybrid cloud architectures by enabling you to maintain some resources on-premises while extending your infrastructure seamlessly into the AWS cloud.

Reduced Latency

Reduce network latency by getting a direct, low-latency connection between on-premises and AWS resources.

Customizable Bandwidth

Get the opportunity to choose the bandwidth you need for your Direct Connect connection, ranging from 50 Mbps to 100 Gbps.

ENSURE THE SAFETY OF YOUR WEB APPLICATIONS

KEEP YOUR APPLICATIONS PROTECTED AGAINST COMMON WEB EXPLOITS USING AWS WAF - WEB APPLICATION FIREWALL

In an ever-evolving cyber threat landscape, Bespin Global has the proven expertise and tools to protect your web applications or APIs against common web exploits and bots that may affect availability, compromise security, or consume excessive resources. Using AWS Web Application Firewall, we give you control over how traffic reaches your applications by enabling you to create security rules that control bot traffic and block common attack patterns, such as SQL injection or cross-site scripting. You can also customize rules that filter out specific traffic patterns. With a full-featured API, we can help you automate the creation, deployment, and maintenance of security rules.

REAL-TIME THREAT PROTECTION

Bespin will enable you to quickly update security across your environment when issues arise as AWS WAF rule propagation and updates take under a minute. WAF also supports hundreds of rules that can inspect any part of the web request with minimal latency impact on incoming traffic.

EASILY DEPLOY & MAINTAIN

Define and manage your rules and reuse them across all the web applications that you need to protect using AWS Firewall Manager integration. AWS WAF is easy to deploy and protect applications deployed.

FOCUS ON INNOVATION

Get started immediately and protect your web application or APIs against common threats with Managed Rules for AWS WAF. These rules are automatically updated as new issues emerge so that you can spend more time building applications.

INTEGRATE SECURITY INTO DEVOPS

Every feature in AWS WAF can be configured using either the AWS WAF API or the AWS Management Console. This lets you put web security at multiple points from the hands of the developer initially writing code to the DevOps engineer deploying software, to the security administrators enforcing a set of rules across the organization.

MONITOR, BLOCK, OR RATE-LIMIT BOTS

Get visibility and control over pervasive bot traffic to your applications with AWS WAF Bot Control. Within the AWS WAF console, you can monitor common bots, and block, or rate-limit, traffic from pervasive bots, such as scrapers, scanners, and crawlers.

OPTIMIZED WEB TRAFFIC VISIBILITY

Gain near real-time visibility into your web traffic, which you can use to create new rules or alerts in Amazon CloudWatch. You have granular control over how the metrics are emitted, allowing you to monitor from the rule level to the entire inbound traffic.

AWS PARTNERSHIPS & COMPETENCIES

- Managed Services Provider
- Migration Services Competency
- Machine Learning Competency
- Amazon RDS Delivery
- Amazon EC2 for Windows Server Delivery
- Solution Provider
- Immersion Day
- DevOps Services Competency
- Well-Architected Partner Program
- Data & Analytics Competency
- AWS Database Migration Service Delivery
- AWS Config Delivery
- Public Sector Solution Provider
- Public Sector Partner

MICROSOFT WORKLOADS ON AWS

Spur Productivity with a Robust Infrastructure

Book An Expert

MIGRATE & RUN WINDOWS-BASED SOLUTIONS TO AMAZON EC2 INSTANCES

As an AWS Premier Consulting Partner, we have proven expertise in helping customers migrate, run, and manage Microsoft Workloads on AWS. We ensure our customers lower their overall costs of deploying and running any Windows applications on AWS EC2 instances, quickly, securely, and with minimal disruption.

DOWNLOAD THE OLA GUIDE

WHY MICROSOFT WORKLOADS ON AWS?

AWS supports all you need to build and run Windows applications including Active Directory, .NET, Microsoft SQL Server, Windows desktop-as-a-service, and all supported versions of Windows Server. With our demonstrated expertise, our in-house team of experts can help you easily lift-and-shift, refactor, or even modernize your Windows workloads.

THE LARGEST CLOUD PLATFORM

AWS runs nearly 2X more Windows Server instances than the next largest cloud provider

SUSTAINABLE GROWTH

Enterprise customers using Amazon EC2 for Windows Server have grown 5X since 2015

OPTIMIZE CLOUD SPENDING

36% savings using AWS over three years, by right-sizing instances with Migration Evaluator

EMPOWER YOUR MICROSOFT

WORKLOADS

WITH BESPIN GLOBAL & AWS

STRATEGIC MIGRATION

PLANNING

We can quickly and securely help you reach your migration goals, while minimizing downtime to applications. Using AWS End-of-Support Migration Program and AWS Migration Acceleration Program (MAP) for Windows we have the expertise to help you migrate legacy Windows Server applications to the latest, supported versions of Windows Server on AWS.

STRONGER SECURITY AND BACKUP

Protect your Microsoft Workloads on a highly secure AWS infrastructure and networking services. Over 230 security, compliance, and governance services and features are available on AWS and our support team will ensure a tailored backup plan for your data.

DEEPER AND BROADER FUNCTIONALITY

AWS has a much broader range of services, to support your Microsoft-based applications as well as much deeper functionality within most of these services.

LOWER TCO

Running Windows on AWS, can accelerate growth, drive efficiencies, and realize long-term cost reductions. With the unique Savings Plans, provided by AWS, we offer you with savings up to 72% on Amazon EC2 instances, and Amazon EC2 Spot, which reduces costs by up to 90% on compute instances for fault tolerant workloads.

FLEXIBLE LICENSING OPTIONS

We offer you the most options in the cloud for using new and existing Microsoft software licenses on AWS. You can also bring your existing licenses to AWS platform using Microsoft License Mobility through Software Assurance.

COMPLETE CONTROL AND ACCESSIBILITY

Gain complete control and visibility over virtual servers when migrating your Microsoft Workloads to AWS EC2 instances.

OUR AWS CAPABILITIES: BESPIN GLOBAL YOUR GO-TO PARTNER

AWS MICROSOFT WORKLOADS COMPETENCY

Most of the world's business applications run on Windows as an operating system. With Bespín Global as your AWS Microsoft Workloads competency

partner, you can combine the modernisations from these applications with the flexibility and cost efficiency of the AWS Cloud.

We can offer companies a range of services thanks to our certified competencies:

- Database solutions: We make legacy SQL Server installations ready for services such as Amazon Aurora and Amazon Redshift, or migrate workloads to Amazon EC2 and Amazon RDS.
- Migration of Microsoft workloads: We use technologies that help us evaluate and plan in advance of the migration, or to automate and manage the migration of Microsoft workloads
- Optimisation of operations: We deploy technologies to optimise and automate Microsoft workloads in areas such as security, availability, and administration
- Data, analytics and machine learning: Technologies for preparing, converting, analysing and managing Microsoft SQL Server data for data analysis and machine learning

Bespin Global is an APN Technology Partner that provides software solutions which are hosted on the AWS Cloud.

As an APN Premier Consulting Partners we are recognized as leaders and have worked with customers across geographical, vertical, and horizontal markets. We have deep technical expertise and demonstrated success working with a larger number of AWS customers at scale in deploying solutions on AWS.

As an AWS Managed Service Provider (MSP) Partner, we provide customers with full lifecycle solutions in cloud infrastructure and migration, in four key areas: plan and design; build and migrate; run and operate; and optimize.

HOW DO I KNOW THIS IS THE RIGHT MOVE FOR MY WORKLOADS?

Partnering with Amazon Web Services, the leading cloud provider both in scale and pace of innovation, our team not only migrates your existing solutions to the cloud, but we educate you on how to do so using leading technology innovation and scale to meet almost any business requirement.

