Insight's AWS Infrastructure as Code (IaC) Service

Infrastructure as Code (IaC) is a practice that can help organisations improve the speed, reliability and consistency of their cloud deployments while reducing human errors and operational costs.

However, many organisations may lack the resources to deliver IaC in-house, have issues with time to deploy existing solutions, or struggle with consistency and quality of deployments. While the benefits of IaC are clear, some may find it too complicated or don't know how to get started. Even those who have started to adopt IaC or CI-CD may struggle with quality or get stuck. Insight's AWS Infrastructure as Code (IaC) Service can help overcome these challenges and unlock the full potential of IaC.

Benefits

- Increased productivity through automation.

- Templated and repeatable deployments.

- Cloud cost savings – spin up and tear down environments in minutes.

- Agility allows software developers to deploy their solutions faster and easier through CI/CD pipelines.

- Greater standardisation and assured security through automated deployments.

- Skills development to further enhance automation and embrace DevOps methodologies.

Business challenge

As cloud adoption grows, so does the complexity and scale of managing cloud infrastructure. Organisations who rely on manual processes or graphical interfaces to provision and configure their resources face several challenges, such as:

- Inconsistency: Different environments, such as development, testing, and production, may have different configurations or versions of resources, leading to compatibility issues and errors.

- Slow delivery: Manual processes are time-consuming and prone to delays, affecting the agility and responsiveness of the business.

- Lack of visibility: Manual processes do not provide a clear and accurate view of the current state and history of the cloud resources, making it difficult to audit, monitor, and troubleshoot them.

- Security risks: Manual processes increase the risk of human errors, misconfigurations, or unauthorized changes, exposing the cloud resources to potential vulnerabilities or breaches.

Our AWS IaC service can help you overcome these challenges by enabling you to:

- Define your cloud infrastructure using code, which can be versioned, tested, and validated before deployment.

- Automate the provisioning and configuration of your cloud resources, reducing the time and effort required to launch and update them.

- Manage your cloud infrastructure as code, which can be stored, tracked, and reviewed in a source control system, providing a single source of truth and a record of changes.

- Enforce cloud policies and best practices as code, ensuring that your cloud resources comply with the desired standards and regulations.

Our Solution

Our AWS Infrastructure as Code (IaC) service is a consultant-led engagement designed to help organisations who host workloads in AWS or are planning to migrate or build new workloads into AWS. With our IaC service, you can manage and provision your cloud resources using code, improving the speed, reliability, and consistency of your cloud deployments while reducing human errors and operational costs.

Our service covers:

- Working with your development and operational teams to understand the automation that can be achieved.

- Build code modules in either Terraform and CloudFormation

- Educate development and operational teams in IaC best practices and deployment processes.

- Deploy non-production environment using the IaC modules.

- Documentation will be provided within the code base to inform future modifications and enhancements.

Is this solution right for you?

We have developed an expansive range of services to help you along the entire cloud journey to achieve your business objectives with AWS. By taking a comprehensive approach and using our deep, broad expertise, our services portfolio guides you towards a successful AWS adoption strategy, resulting in your IT team spending less time fire-fighting and more time creating business value.

Discover & Plan

We'll gain a full picture of your current and future requirements, exploring the right approach, and then plan how to realise the value through cost-effective solutions.

Build & Integrate

We can accelerate the deployment of your chosen solution, using our deep expertise and resources to seamlessly install and integrate the right technology.

Run & Innovate

Depending on your requirements, we can then help you optimise your AWS technology by supporting or managing it on your behalf.

AWS Competency Programme & Certifications

AWS established the AWS Competency Programme and certifications to help customers identify Consulting and Technology Partners with deep industry experience and expertise.

Competencies	Certifications
PARTNER: Migration Services Competency	PARTNER: Solution Provider
PARTNER: Security Services Competency	PARTNER: Advanced Tier Services
PARTNER: AWS Microsoft Workloads Services	PARTNER: Public Sector
	PARTNER: AWS Marketplace Skilled Consulting
	PARTNER: Immersion Day
	PARTNER: Amazon EC2 for Windows Server Delivery
	PARTNER: Well-Architected Partner Program

For more information please contact your Insight Account Manager.

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