



CLOUD ENGINEERING

CLOUD CENTER OF EXCELLENCE



Driving cloud engineering best practices, certification, accreditation, and innovation.

Novetta's Cloud Center of Excellence (COE) supports challenging cloud engineering missions such as deploying mission-critical workloads into classified cloud environments and implementing high-performance, cloud-based deep learning libraries. Certified engineers deliver cloud expertise and experience to solve your mission needs.

OPTIMIZING BIG DATA ARCHITECTURES FOR THE CLOUD

Providing on-demand access to massive amounts of computing and storage, the cloud enables big data analytics. The Cloud Center of Excellence helps our customers leverage the power of the cloud to get true insights from big data. We are the engine behind some of the most critical and secure big data solutions in the federal government and have extensive experience building and optimizing data solutions for the cloud.

BUILDING ADVANCED ANALYTICS ON AWS

Novetta is an Amazon Web Services Advanced Tier Consulting Partner, signifying deep AWS expertise and the ability to solve complex cloud challenges. Novetta is one of only four APN Consulting Partners to hold both the AWS Government Competency and AWS Machine Learning Competency. Our architects, developers, and system administrators have experience in all AWS Regions: Commercial, GovCloud, Secret Commercial Cloud Services (SC2S), and Commercial Cloud Services (C2S).



DELIVERING CERTIFIED AWS ENGINEERS

The Cloud Center of Excellence drives Novetta's employee cloud certification program. Novetta staff have obtained over 100 AWS certifications:

AWS Advanced Networking - Specialty

AWS Big Data - Specialty

AWS Cloud Practitioner

AWS Developer - Associate

AWS DevOps Engineer - Professional

AWS Machine Learning - Specialty

AWS Security - Specialty

AWS Solutions Architect - Associate/Professional

AWS SysOps Administrator - Associate

INNOVATION ON AZURE

Novetta products and technologies such as CloudTracker, NovettaNLP, and Rarity run natively on Microsoft Azure. Our use of containerization for cloud development reduces dependencies on any single cloud service provider and gives customers the flexibility to migrate to multi-cloud environments.



CLOUD COE BEST PRACTICES

Security

Identify and remediate vulnerabilities.

Performance

Improve AWS solution speed and responsiveness.

Fault Tolerance

Increase the resiliency of cloud solutions by highlighting redundancy shortfalls, current service limits, and overutilized resources.

Service Limits

Create service limit indicators.

Cost Optimization

Flag unused resources and other opportunities to reduce spending.

Architecture

Specify designs to maximize scalability and responsiveness.

LEADING NEXT-GENERATION CLOUD INNOVATION

The Cloud Center of Excellence leverages our AWS Advanced Tier partnership to get hands-on experience with the newest machine learning libraries, edge devices, IoT hardware, and data analytics services. We test, prototype, and build proof-of-concept cloud solutions, applying cloud technologies to mission challenges. Using AWS IoT Greengrass, the Cloud Center of Excellence pushes custom models to portable compute devices (such as AWS Snowball Edge), ingesting and processing data to deliver immediate insights in the field.