



Best Practice Experience: The Cloud at Microsoft

This session covers "How Microsoft Does IT" and provides insight into how Microsoft is moving to the Cloud to support Microsoft's 220,000 internal users. Participants will learn the best practices Microsoft has created and employed in designing, developing, deploying, and operating in the cloud for our global environment. During the session, we will:

During the session we'll hear messages from key Microsoft leaders such as our Chief Information Officer, and other key stakeholders as they share some of the challenges of today and their vision for the future.

- Examine Microsoft's history of cloud adoption
- Dive into the details of past and current cloud implementations and best practices
- Discuss cloud planning, budgeting, and change management processes
- Look at future direction to provide insight into innovative Microsoft strategies and tactics for improving business results.

Throughout the experience, participants will learn inside information from subject-matter-experts. Understanding Microsoft IT best practices will equip participants with information to drive positive results within their own organizations.

This session is intended to be a comprehensive learning experience giving participants a "behind the curtain" view into cloud implementation at Microsoft, including a taste of our culture and our passion for innovation.



What You Will Learn

This session will combine presentations and demonstrations in a classroom setting covering various topics on architecture, planning, operations, maintenance, and support of the cloud in Microsoft's global environment; with emphasis on the Microsoft IT best practices that have been developed.

The intent is to provide deep knowledge transfer around these best practices in an IT-to-IT learning environment, through rich discussions with the subject-matter-experts who design, deploy, manage and support Microsoft's cloud environment each day. Our goal is to have participants walk away with multiple best practices and approaches to cloud adoption that they can use in their own environments to improve operations and business results.

Session participants will gain a keen understanding of how Microsoft develops its strategies to expose and embed cloud business processes and drive business success.

* Sessions at selected locations (like Redmond, Washington) may also include field trips to experience the Microsoft Envisioning Center and/or a local Microsoft Datacenter. See course schedules for dates and individual course durations.

The Cloud at Microsoft session will be held at various Microsoft Campus locations globally (including Redmond, Washington) and other field locations near you. Contact your Microsoft account representative for more details or register at <http://aka.ms/RegisterBPE>.*

Target Audience

This Microsoft IT Institute instructor-led session is targeted at decision-makers and leaders, such as principal architects, IT managers, and senior developers.

Prerequisites

Working knowledge of cloud concepts and services models is essential to gain maximum value from the session. This session does not cover basic cloud concepts.

Participants will get the most out of this session if they have a good understanding of their own environment and any plans for change.



Syllabus

The following modules and topics will be covered during this session:

Welcome to the Cloud at Microsoft Best Practice Experience: An overview of Microsoft IT, the Microsoft IT Institute, and the subject matter experts and technologies that will be explored in this session.

Explore—Charting the Cloud Landscape: A history of the cloud at Microsoft, cloud service delivery models: Infrastructure-as-a-Service (IaaS), Platform-as-a-Service (PaaS), and Software-as-a-Service (SaaS); and Microsoft IT's cloud value proposition. We also discuss Hybrid and Private cloud strategies in use at Microsoft.

Envision—Creating a Cloud Vision: Identifying stakeholders, assessing cloud readiness, taking inventory and categorizing applications in order to build a business case for cloud adoption. Participants will begin to create their own personal cloud deployment action plan and build upon it throughout the session through facilitated discussion with subject matter experts.

Enable—Strategy and Governance Planning for the Cloud: Choosing a cloud adoption approach, establishing governance, developing cloud policies, revamping processes, considering candidates for pilot projects, preparing the organization for cloud deployment and reviewing the Dev/Ops model.

Execute—Designing for the Cloud: Evaluating the infrastructure to determine the most appropriate architectural options (private, public, or hybrid models), designing secure solutions and architectural standards around testing, monitoring, scaling, redundancy and latency; determining strategies for integrating cloud-based applications with on-premises applications.

Execute—Deploying to the Cloud: Implementing and integrating cloud-based solutions, identity and data management, integration and standards, and testing.

Execute—Operating in the Cloud: Assessing the operational impact of cloud-based solutions on support; application management, monitoring, synchronization, business continuity and disaster recovery.

Execute—Managing Cloud Services: Reviewing the financial impact of cloud adoption; determining metrics; managing growth and transformation; and measuring efficiency, agility and quality of service.

Execute - Security, Business Intelligence and Readiness: You'll hear how we think about Security in the cloud, get insights into how we are gathering and using BI in the cloud. You'll also hear how we keep our workforce informed about what the cloud will bring and how best to use it.

In addition to the modules above, you will hear from each of our subject matter experts throughout the session describing "What's Next" for Microsoft in the cloud.