

A man in a dark suit and blue tie is holding a silver laptop in front of his face, looking at the screen. The background shows a city skyline with tall buildings under a blue sky with scattered clouds. A large grey banner is overlaid on the right side of the image, containing the CSC logo and the title of the presentation.

CSC

CSC Infrastructure as a Service

CloudCompute and BizCloud

- Kåre Holm-Larsen
- 11 October, 2011

CSC's Trusted Cloud Portfolio

Consulting services

- Cloud Opportunity Workshop
- Cloud Adoption Assessment
- Smart Start - Trusted Cloud PoC
- Dynamic Desktop consulting

Business Process

- Cloud enabled for custom-tailored SaaS solutions

Software

- CloudPM
- CloudSRM
- Mail and Collaboration
 - CloudExchange
- Security
 - CloudProtection for Mail and Web
 - CloudIAM
 - Transparency as a Service - CTP

Platform

- Application Cloud Enablement – ACE Factory
- Platform as a Service
 - For Spring, Force, Azure, Cordys

Infrastructure

- CloudCompute
- CloudLab
- BizCloud
- CloudDesktop
- Storage as a Service

IaaS Addresses Business Imperatives

- Accelerate cycle time
- Expand and contract resources as needed
- Relieve constraints based on IT's capacity to deliver

Become More Agile

- Break down IT barriers to create new products
- Mitigate risk and improve ROI for new initiatives
- Get started without IT capital or lead times

Innovate

- Free up capital for strategic investments
- Shift from CAPEX to OPEX to improve ROI
- Manage IT sprawl and contain the infrastructure

Preserve Capital

- Align infrastructure with business need
- Use what you need, only when you need it
- Refocus IT staff on business value

Be More Cost Effective

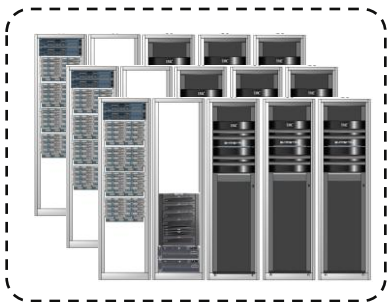
CSC Cloud Deployment Models — IaaS CloudCompute

1

Off Premises

Public

- Leveraged
- At CSC data centers
- Capacity: virtually unlimited
- Standard rate card applies



2

Off Premises

Virtual Private

- Dedicated Access
- At CSC data centers
- Capacity: projection-based
- Requires minimum commitment for 3 months
- Standard rate card applies



3

On Premises

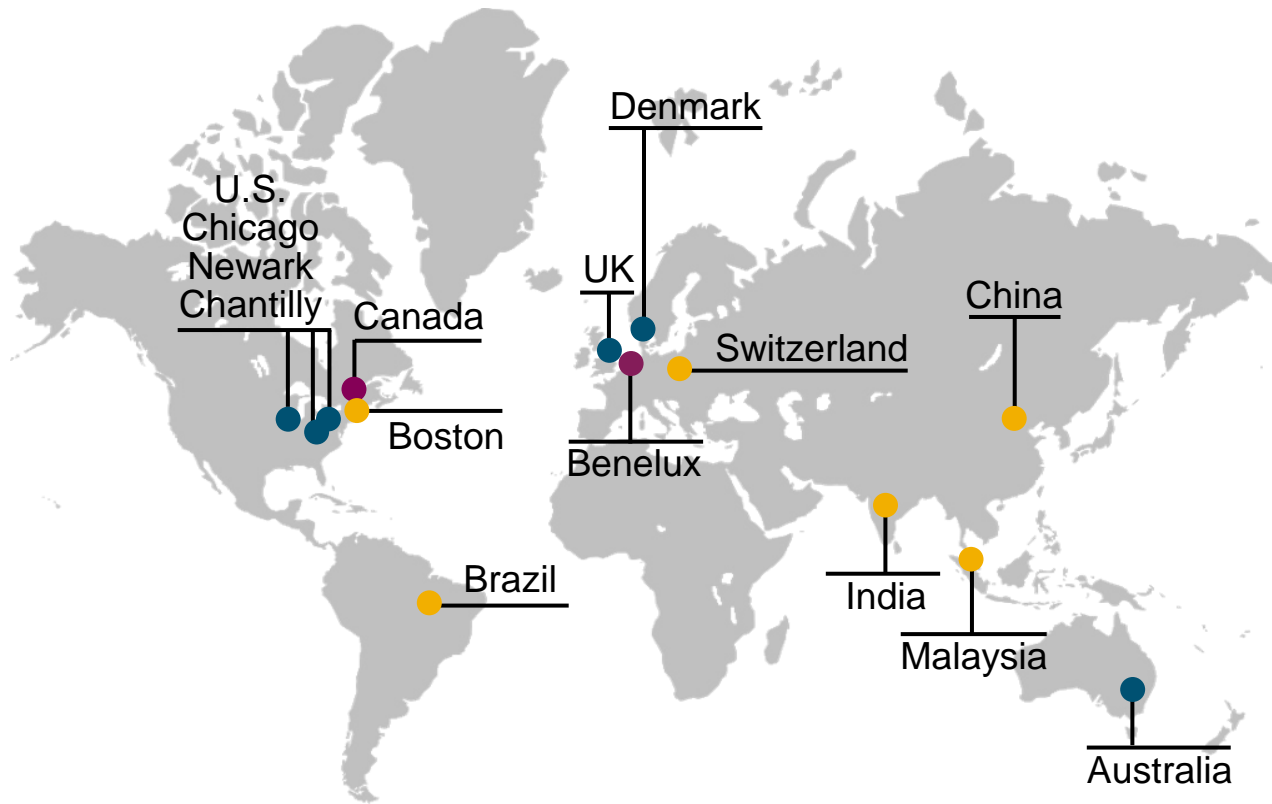
Biz Cloud

Private

- Behind client firewall
- Capacity: projection-based
- Minimum capacity commitment and annual term
- Standard rate card applies over minimum



Global Cloud Capacity Grows



- First Wave — June 2010
- Second Wave — First Half 2011
- Planned for 2011

- Global rollout of services
- Common cloud fabric
- Multi-level services with SLA accountability
- Orchestrated automation
- SEI CMMI, ITIL, ISO standards

BizCloud facilitates cloud capacity in any country in the world

CSC BizCloud — the Business-Ready Cloud on Premises

- CloudCompute IaaS behind your firewall
- Combined with proven CSC expertise in on-boarding, support and managed services
- Strengthened with automated provisioning and chargeback
- Competitive rate card — billed as a service
 - No capital investment
 - Pay for what you need, when you need it
- Full managed services options from basic hypervisor to full application management
- Menu of on boarding services to accelerate adoption



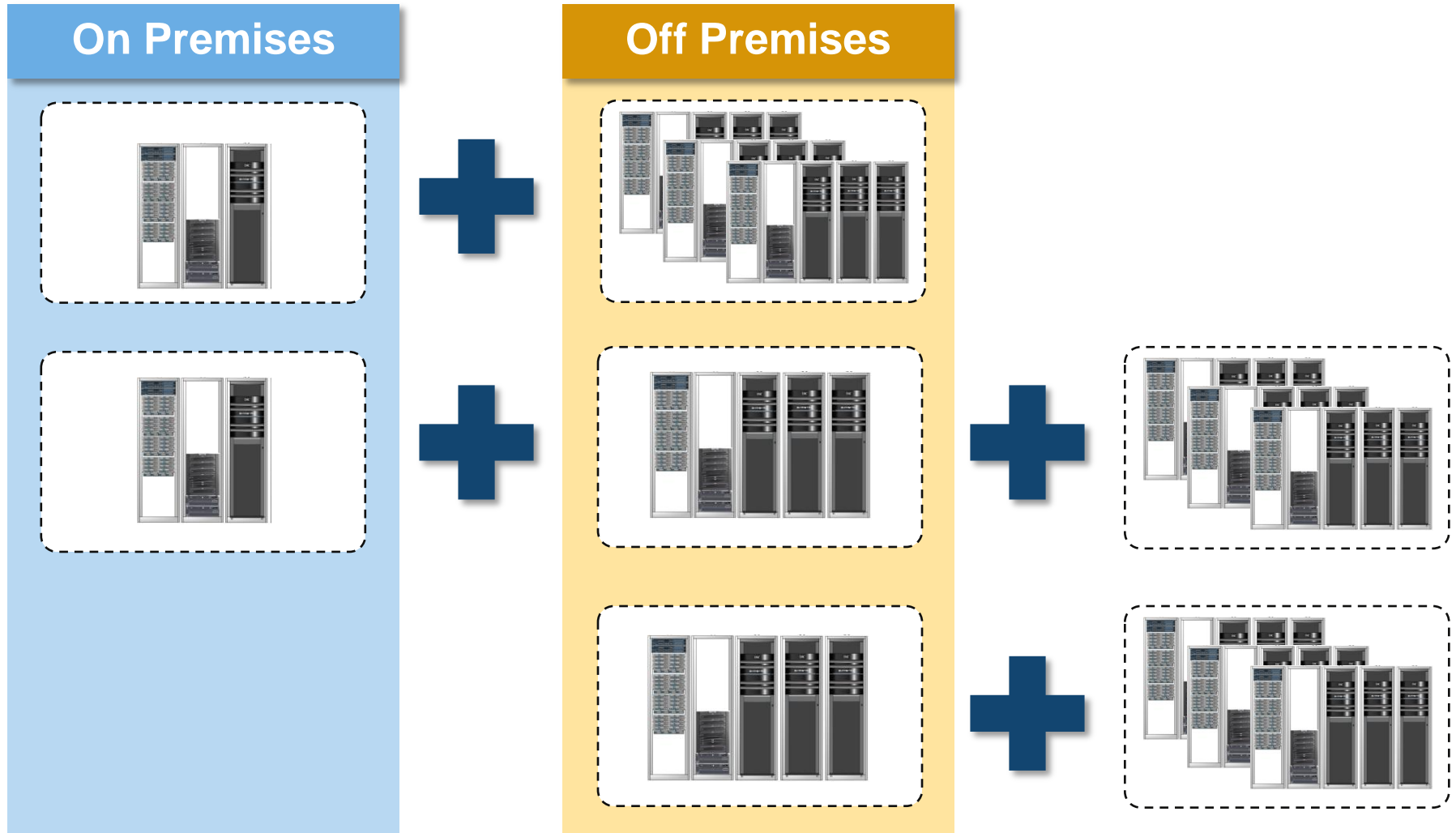
Give us **10 weeks** —
and we'll give you
control of your cloud!

On-Demand IT as a Service — Anywhere in the World

	Build Your Own Private Cloud	CSC BizCloud
On premises	■	■
Managed risk and security	■	■
Capital expense	■	
Operating expense		■
Elasticity - dial resources up and down		■
Pay as you go with standard rate card		■
Chargeback capability		■
Service catalog	□	■
Fully managed orchestration capability		■
Self service provisioning portal	□	■
Remote monitoring and management of infrastructure		■
Remote monitoring and management of OS and application stack		■
	10 months + \$\$\$\$\$\$	10 weeks \$\$

■ Capability included or offered as an option with the service
 □ Some vendors provide and some don't; it is always at an additional cost

... Including Hybrid Clouds



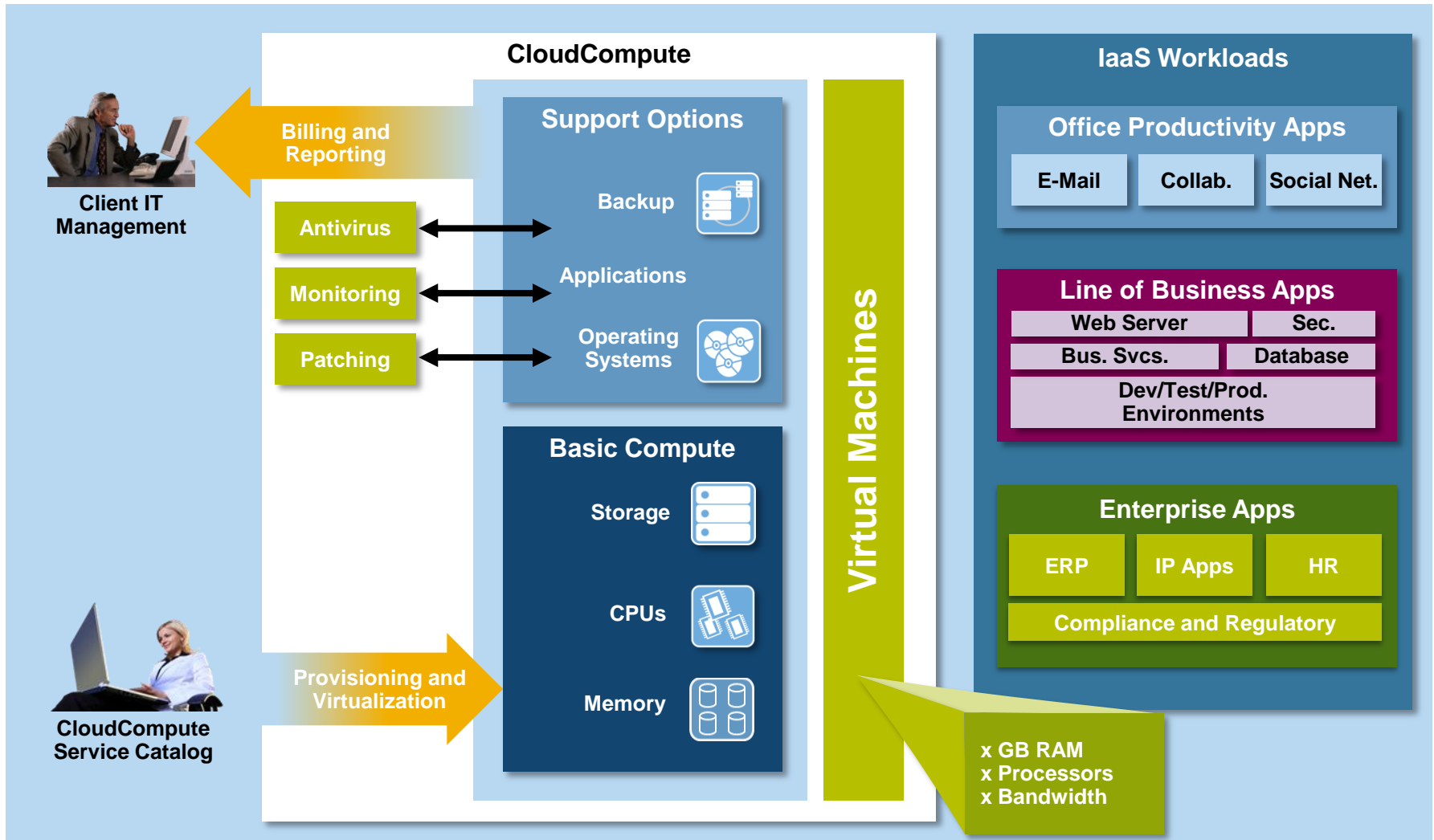


CSC Cloud Fabric



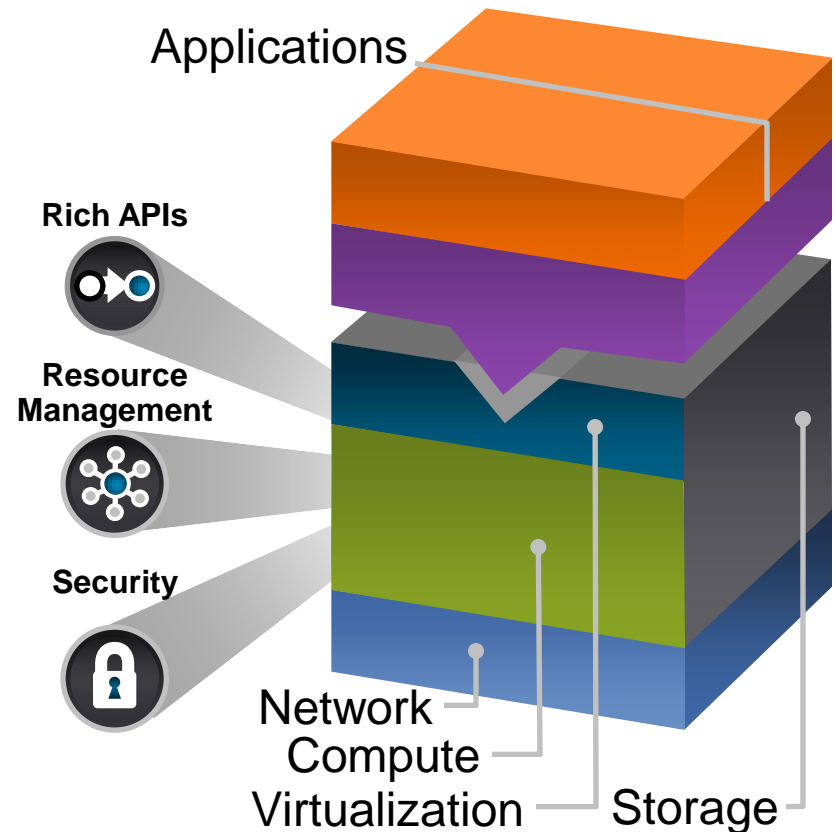
CSC CloudCompute: CSC Infrastructure as a Service

CSC's secure, enterprise-class IaaS designed to support all X86 applications for any cloud deployment model



Consistent Cloud Fabric, Vblock™

- Combines VMware, Cisco and EMC technology
 - Leading virtualization software from VMware
 - Unified networking, security and computing from Cisco
 - Storage, security and management technologies from EMC
- Enables rapid-deployment virtualized infrastructure
- Pre-integrated and validated
- Maintains consistent security between physical and virtual infrastructure



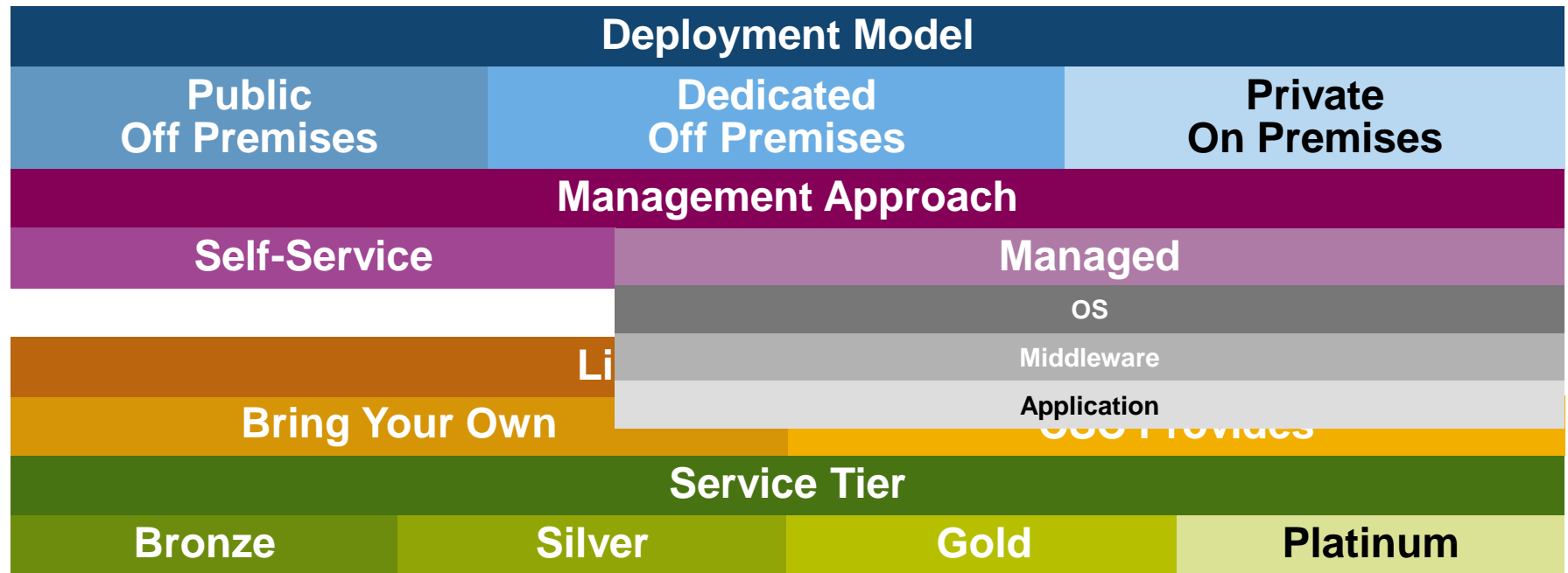


Service Management options

CloudCompute and BizCloud



CloudCompute Customer Choices



Let the workload be your guide

CloudCompute Packages

Standard

Fully managed
IaaS

Client provides OS
license

Client provides
middleware and
platform license

Client manages OS
and application
stack

Enterprise

Fully managed
IaaS

CSC provides
OS license

Client provides
middleware and
platform license

CSC manages OS
and client manages
application stack

Enterprise Plus

Fully managed
IaaS

CSC provides
OS license

CSC provides
middleware and
platform license

CSC manages OS
and application
stack



Different solutions CloudCompute and BizCloud



Clouds Come in Different Shapes and Sizes

Educational Testing Company - ETS



Need: Move application from Amazon to a high availability cloud. Create a private cloud for projects to support new application development and virtualization project.

Solution: Off-premises private cloud in CSC Newark Datacenter with hybrid integration to existing applications architecture. Standardization of the Service catalog and configurations for OS and application stack.

Pharmaceutical Company



Need: Creation of private cloud services to in-source Amazon workloads and provide compliant IaaS services to internal customers

Solution: On-premises private cloud based on Vblock, full DR and backup at the compute and network layer. Solution includes orchestration, provisioning portal and standard service catalog.

Clouds Come in Different Shapes and Sizes

Large Aircraft Manufacturer



Need: Rogue public cloud usage poses compliance and security issues

Solution: Select a provider of Trusted Clouds that will provide the service on an “hourly rate” card for off premise private and public cloud infrastructure, with development and test functionality

Blackboard Student Services



Need: Rapid application modernization

Solution: An on-demand development and test delivery mechanism with guaranteed SLA and security/compliance reporting

Vanity Fair Corporation



Need: Testing environment for SAP

Solution: Rapid deployment of testing environment to help enforced standard configurations in the user community. Template based SAP testing environment

What Differentiates CSC IaaS

Innovative Choices to Support the Enterprise

- Future proof implementation by preparing for hybrid cloud deployment
- Private on-premises cloud, billed as a service, deployed in 10 weeks
- Flexibility and choices to let the workloads be the guide

Security Foundation, Delivery Excellence, Application Expertise

- Security engrained in our processes, our tools, our solution, our culture
- 50+ years experience in enterprise grade service delivery to global companies
- Unequalled capabilities in application development, transformation and maintenance

Lifecycle of Cloud Services

- Services to jumpstart cloud adoption, shape your strategy and develop a roadmap
- Application services to move from traditional service delivery to the cloud
- Management to support a broad range of database, Web, and enterprise applications



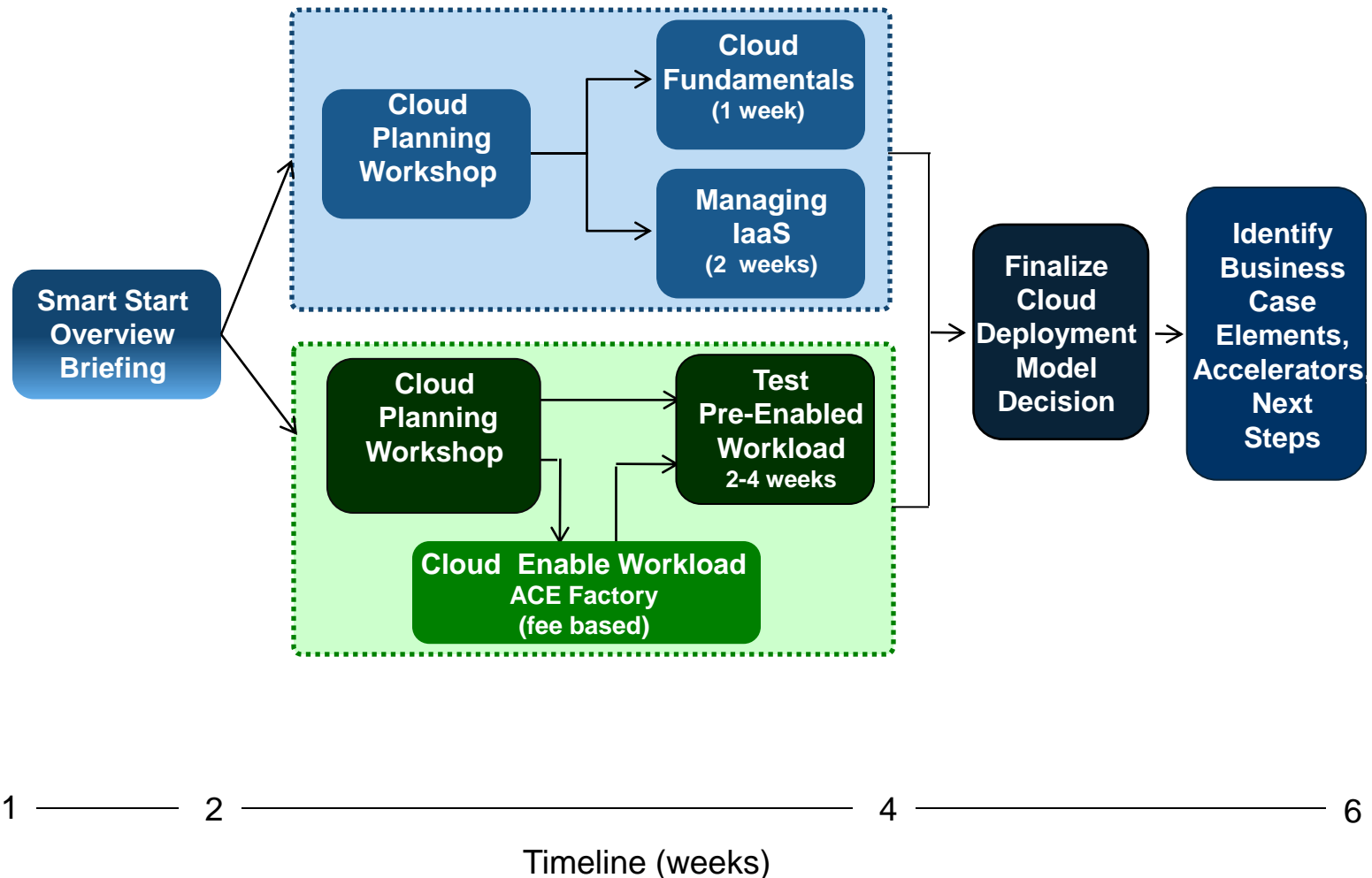
How to start CloudCompute and BizCloud



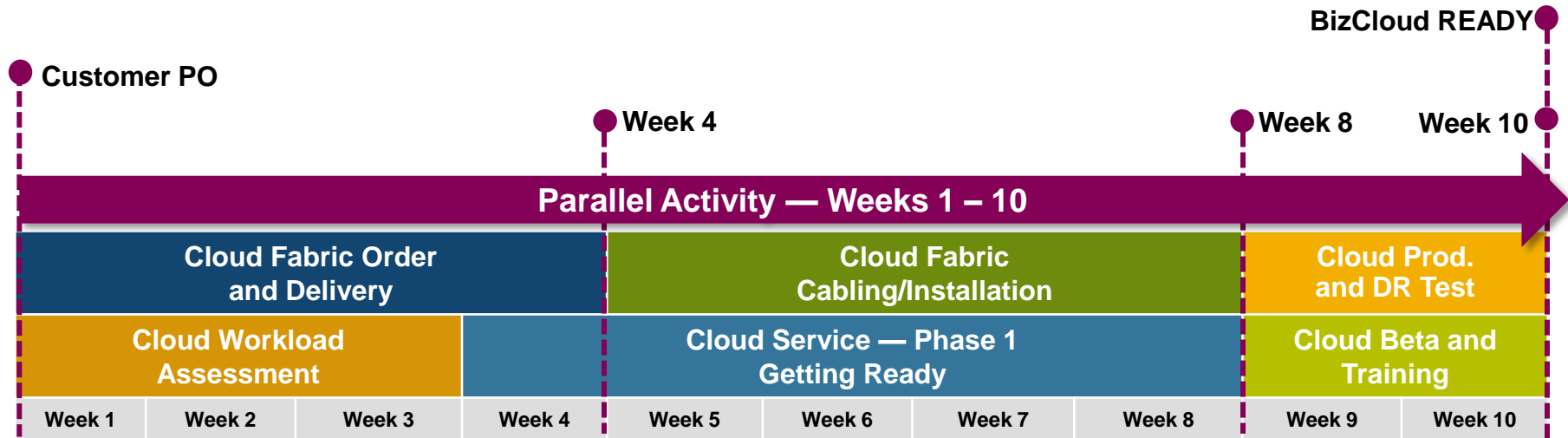
Menu of On Boarding Services

- Cloud strategic road map
- Data management strategies
- Complete application services portfolio
 - Application portfolio review
 - ACE — automated refactoring for cloud aware applications
 - Re-platforming of expensive legacy applications
- Cyber analysis and planning
- Hybrid-cloud strategy and actualization

Smart Start — Jumpstart Your Cloud Journey with a PoC



CSC BizCloud — Onboarding Details



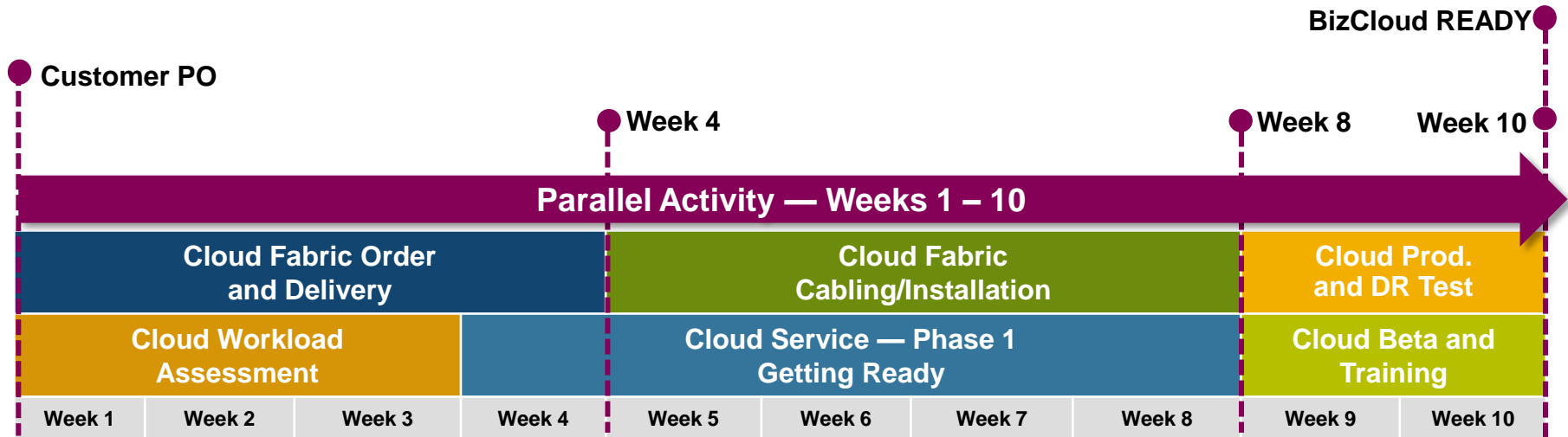
- **Cloud workload assessment -- optional**

- Identify first workloads for cloud — virtualized park, dev./test, refresh targets

- **Optional Cloud Services — based on enterprise requirements**

- Service catalog and portal configuration
- Analyze and define cloud service life cycle: request, authorize, provision, billing/chargeback philosophy — rate card adoption, report definition, capacity planning, and policies
- DR and backup architecture and process
- Security architecture
- P2V plans and execution

CSC BizCloud — Onboarding Details (Cont'd)



- **Optional Cloud Beta Program — Testing and Training**

- Test plans definition and execution support
- Fail-over, disaster recovery, and backup test execution support
- Internal end-user beta test
- End-user training and guidebook creation
- Operations training
- Production planning
- “Go live” execution support



Value Proposition CloudCompute and BizCloud



CSC Cloud Value Proposition

Business First Approach

- Cloud enable business workloads from the top down
- Transform business processes into agile, innovative, and cost-efficient workloads

Security and Compliance Leader

- Preferred by the world's most security-conscious enterprises
- Able to adapt to dynamic regulatory climate

Service-Driven Business Model

- Service delivery excellence backed by customer-centric SLAs
- Proven integrity and accountability

Innovation and Technology Excellence

- Future-proof implementations built to scale
- Orchestrated and integrated solutions



Thank You

