

ORACLE'S APPROACH TO CLOUD

KEY FEATURES AND BENEFITS

A PRAGMATIC, HOLISTIC
APPROACH TO CLOUD
ADOPTION

FEATURES

- A pragmatic approach incorporating tools and frameworks
- Identifies and engages business and IT stakeholders
- Modular approach that simplifies combination with other strategies, such as, SOA, BPM, etc.
- Strategic planning coupled with tactical delivery

BENEFITS

- Business and IT alignment based on shared goals and objectives
- Increased agility – minimizing the involvement of IT in asset provisioning
- Reduced risk – iterative approach based on real-world experience

The motivations for pursuing Cloud computing are highly diverse between enterprises and even between divisions within the same enterprise. Successful adoption of Cloud computing requires the definition of an approach that aligns with business drivers and operational capabilities. Development of such an approach requires analysis across multiple dimensions involving both business and technology. Oracle's Approach to Cloud incorporates custom developed tools into an experience-based practical approach.

What is Cloud Computing?

Cloud computing carries a multitude of connotations, involving concepts ranging from pay for service and ubiquitous access to the simplification and commoditization of information technology. Despite the ambiguity and inexact definitions, Cloud computing is widely regarded as disruptive and potentially transformational for information technology. The promise of lower cost, faster time to market, and increased flexibility has made Cloud computing a hot topic.

What is Required to Succeed at Cloud Computing?

For enterprises that seek to transform their own IT capabilities and avoid adverse disruption in the process, a thoughtful, structured, and pragmatic approach is required. Oracle's approach consists of the following phases:

Envision – Identify the primary forces driving the Cloud strategy. Define the major usage patterns to be supported and the major groupings of workloads to be deployed with these usage patterns.

Assess – Measure current Cloud related capabilities in terms of maturity and adoption. Decompose and evaluate target workloads for Cloud deployment. Evaluate potential service models for the target usage patterns and workloads. Estimate and compare costs and benefits of potential deployment models. Validate target usage patterns and workloads with current and prospective consumers. Define preliminary budget and skills requirements.

Design – Expand and refine target usage patterns. Choose service model(s). Prioritize workloads and desired capabilities. Define architectural building blocks and detailed deployment model. Define projects and project dependencies. Identify major areas of operational and organizational transformations. Validate designs with vendors and service providers. Create roadmap.

Build – Implement the design. Track progress against roadmap – capabilities development, and projects' budgets and schedules.

Operate – Transition the implementation and put into production operation. Track progress against Goals – consumer impact and operating budgets.

Oracle’s Approach to Cloud focuses heavily on the early phases to help ensure that the Cloud initiative gets off to a promising start.

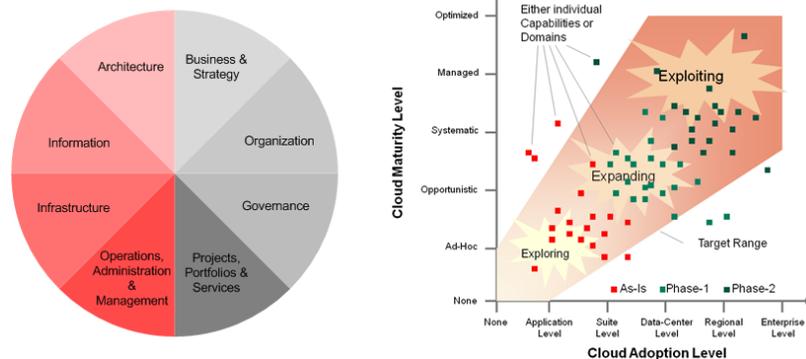
Envision Phase

Before defining architecture or prescribing solutions for a cloud computing initiative, it is important to clarify the expectations for the investment, and whether those expectations are more tactical or strategic in nature. In addition to the tactical versus strategic decision, Oracle’s approach incorporates six additional factors to consider:

- Motivation: cost savings versus business agility
- Project Control: IT controlled versus business controlled
- Business Model for IT: IT as a support function versus IT as a business
- Technology Adoption: early adoption versus late adoption
- Enterprise Operating Model: the levels of business process standardization and business process integration

Assess Phase

Oracle’s Approach to Cloud includes the Oracle Cloud Maturity Model which details 60+ capabilities needed to successfully adopt Cloud computing. Using the Cloud Maturity Model to assess the capabilities of an organization readily identifies areas in need of improvement. The remedial actions to correct the identified deficiencies in the capabilities become part of the Cloud roadmap.



Design Phase

The appropriate architecture for Cloud computing needs to reflect the factors defined in the Envision phase. Oracle’s Approach to Cloud includes a fully defined Cloud Reference Architecture to accelerate the Cloud architecture definition. Defining a Cloud architecture requires making many architectural decisions including:

- Service Model: Software-as-a-Service (SaaS), Platform-as-a-Service (PaaS), Infrastructure-as-a-Service (IaaS), or some combination.
- Usage Patterns: The ways in which Cloud computing will be used.
- Deployment Model: public Cloud, private Cloud, community Cloud, or a hybrid.
- Multi-Tenancy Model: How to provide isolation between the Cloud consumers.
- Cross-Cloud Security: Provide secure computing across two or more Clouds.

Oracle’s Approach to cloud also includes the Cloud Candidate Selection Tool (CCST) which is used to help determine which IT assets (workloads) should be deployed to a

RELATED PRODUCTS AND SERVICES

Oracle's proven approach to Cloud provides both the strategic direction and tactical processes required to succeed with Cloud.

RELATED PRODUCTS

The following Oracle products might be used in a Cloud infrastructure:

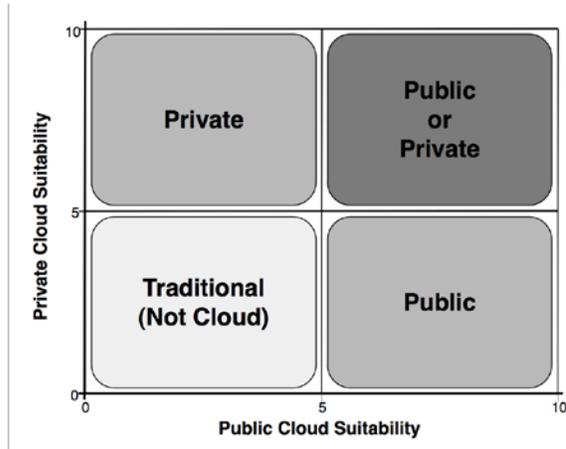
- Oracle Exadata
- Oracle Exalogic
- Oracle Enterprise Manager

RELATED SERVICES

The following services are available from Oracle Consulting Services:

- Oracle Unified Method
- Cloud Assessment Service

Cloud and whether a public Cloud or private Cloud is better the better fit.



Before commencing to the Build phase, successful Cloud adoption requires a detailed roadmap that organizes the high-level activities (e.g. Cloud Reference Architecture definition, key transformations) and coordinates implementation plans that will deliver the desired Cloud benefits over time.

Build Phase

Successful cloud adoption requires transforming the IT organization and processes. Some of the key transformations for Cloud include:

- Roles shifts and automation to support self service, automated provisioning and de-provisioning, elasticity, etc.
- DevOps integrates development with operations to effectively support the increased rate of change.
- Deployable Entities are logical abstractions that vastly simplify deployment of Clouds services.
- Late binding allows Cloud services to be defined when the service is launched rather than at design time.
- Governance structures and processes to ensure that the Cloud initiative stays on track.

Contact Us

For more information about Oracle's Approach to Cloud, please visit oracle.com or call +1.800.ORACLE1 to speak to an Oracle representative.



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