Calypso in the cloud
Fast-track to a cloud-hosted Calypso
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Why deploy Calypso in the cloud?

Advanced cloud-computing power delivers significant operational benefits.

**Speed, agility and power**
Cloud-based Calypso deployments reduce implementation timelines and time to market. Whereas it can take months to procure and install new hardware in-house, cloud capacity can be increased in minutes (instant provisioning). Cloud enables the rapid development and release of capabilities via mature ITSM and DevOps integrations, and new agile ways of working deliver solutions (and compliance) faster, too.

**Cost-control efficiency**
You don’t have to pay up front for purchasing, managing and upgrading IT systems. Pay only for what you use. And to further reduce TCO of your Calypso instance, you can set up and take down test environments as needed.

**Accuracy and flexibility**
No more capacity guesswork. Cloud prevents costly errors in usage estimates, allowing you to adjust capacity (up or down) to match requirements at any time, and access computational capabilities with no capital expenditure. You can calculate performance easier and compute portfolios more frequently with broader data sets. And where sophisticated calculations require extra hardware, you can mobilize capacity, swiftly.

**Disaster recovery**
Cloud eliminates redundancy and outage vulnerability. Data is always available with the help of recovery servers.
Unlock the full power of Calypso in the cloud

Calypso has been fully certified for cloud with AWS and Oracle for several years, and is deployable on private, public or hybrid cloud platforms.

<table>
<thead>
<tr>
<th>Public</th>
<th>Private</th>
<th>Hybrid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Easy to set up and use</td>
<td>Requires IT proficiency for setup and use</td>
<td>Requires IT proficiency for setup and use</td>
</tr>
<tr>
<td>Low data security and data control</td>
<td>High data security and data control</td>
<td>Medium data security and data control</td>
</tr>
<tr>
<td>Vulnerable</td>
<td>Highly reliable</td>
<td>Highly reliable</td>
</tr>
<tr>
<td>High scalability and flexibility</td>
<td>High scalability and flexibility</td>
<td>High scalability and flexibility</td>
</tr>
<tr>
<td>Cost-effective</td>
<td>Most expensive</td>
<td>Cheaper than private</td>
</tr>
<tr>
<td>No demand for in-house hardware</td>
<td>Hardware requirements may vary</td>
<td>Hardware requirements may vary</td>
</tr>
</tbody>
</table>

Clients can use rapid server provisioning via the cloud for many different use cases including:

- Development and test environments
- Production and disaster recovery
- Scaling the grid tier with GPUs and/or CPUs
- Deployment of computationally intensive solutions (e.g., for FRTB or X-value adjustments)

Everything in the cloud
- Production agility, disaster recovery, high availability, adoption typically as part of wider cloud strategy

Dev/Test in the cloud
- Increase agility
- Improve usage
- Introduce CI/CD pipelines

Compute grid in the cloud
- Greatest infrastructure cost benefit
- Improved usage
- Prod-like test environments
- Supports ad hoc demands
It’s your cloud journey — we help you navigate it your way

Wherever you are on the cloud road map, Luxoft will help you evolve at your own pace. We design and build solutions around your particular requirements, ensuring the highest degree of relevance, usability and effectiveness. We optimize your cloud journey in several ways:

- **Discovery**
  Share your vision and goals for the move to cloud. Identify drivers and key influences

- **Workshop**
  Where are your strengths and how can we help? We work with you to ensure a smooth transition for business and IT

- **Requirements**
  Identify key milestones and quantify system and performance requirements

- **Scoping and planning**
  Plan the move to cloud with resourcing and timelines. Align key staff and set roles and responsibilities

- **Build and gap analysis**
  Identify any gaps and compare with scoping and requirements to bulletproof the migration plan

- **Dev/Test migration**
  Migration of non-production environments to cloud. Review, evaluate and hand over environments

- **Production migration**
  Migrate production, DR and near-production environments for highly available, fault-tolerant 24/7 operation

- **Managed infrastructure**
  Regional and global delivery of managed services for seamless operations

- **Validation (PoC)**
  Implement and validate the required components to meet your strategy

- **Transition**
  Start transitioning to cloud, with business workshops and knowledge sessions

- **Managed services**
  Manage your BAU from back to front, full RTB and CTB integrated in your process flow

Wherever you are on the cloud road map, Luxoft will help you evolve at your own pace. We design and build solutions around your particular requirements, ensuring the highest degree of relevance, usability and effectiveness. We optimize your cloud journey in several ways:
Our cloud accelerator services

You don’t need to be an expert in constructing a secure and scalable infrastructure environment. You can rely on Luxoft’s wealth of experience and best practices for things like hardware guidance and sizing.

We can make security recommendations adapted to the Calypso platform, and advise you on regulatory compliance, the monitoring of applications, systems and performance, as well as deploying a comprehensive range of Calypso services (e.g., IT asset, run and change services). This would be carried out in addition to validating application resource requirements and performance.

Luxoft Cloud Management Platform

Our Luxoft Cloud Management Platform (CMP) empowers lines of business with access to applications and services via a cloud management solution and self-service portal.

Luxoft CMP automates the deployment, management and governance of cloud applications, development platforms and other enterprise cloud services. This is achieved via APIs across public, private and hybrid clouds, as well as VMware on-premise environments.
Case study

Front-to-back implementation (Calypso v15)

Challenge

An asset management organization needed managed production support and front-to-back credit, FX, securities and rates implementation for portfolios, including litigation finance using Oracle Cloud. Also, interaction with systems outside of Oracle Cloud, data backup, security, disaster recovery, etc.

Solution

Configured an SSH tunnel to transfer data to and from Calypso in the cloud, IP whitelisting, two-factor authentication, Oracle Cloud firewall and others. Maintained an asynchronous data backup for disaster recovery and an external HD on cloud for historical data.

Benefits

• Reduced TCO. Cost efficiencies for production support from nearshore offices in Warsaw and India

• Improved flexibility via cloud-based implementation

• Controlled environment to manage systems (hardware, security, disaster recovery, etc.)
Get the most out of Calypso
by moving your application to the cloud

Luxoft, a DXC Technology Company, is a global Calypso Alliance Partner and market leader for the implementation, integration, upgrade and support of Calypso applications. Our talented consultants and engineers have been executing Calypso projects for more than 9 years, providing the full spectrum of solutions and services for developed and emerging financial markets. We have an enviable track record:

- 80,000 man-days of Calypso implementations delivered
- 85+ seasoned Calypso professionals
- 8+ years average Calypso experience of our consultants
- Onshore, nearshore and offshore capabilities
- Highly experienced consultants in managed services (run, change and test)

Our Calypso and cloud credentials

<table>
<thead>
<tr>
<th>Our Calypso and cloud credentials</th>
<th>DXC in the cloud</th>
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</thead>
<tbody>
<tr>
<td>Global Calypso Alliance Partner</td>
<td>20,500 accredited cloud staff</td>
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<tr>
<td>AWS Partner Network (APN) premier partner</td>
<td>50,000+ application resources</td>
</tr>
<tr>
<td>ORACLE Platinum Partner</td>
<td>52 net promoter score</td>
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<td></td>
<td>the highest client satisfaction score among IT suppliers</td>
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<td></td>
<td>10,000+ cloud migrations executed</td>
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<tr>
<td></td>
<td>1,000+ cloud workshops completed</td>
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Our Calypso clients include investment banks, clearing houses, hedge funds, insurance firms and organizations that use Calypso for treasury.

luxoft.com/partners/adenza
linkedin.com/company/luxoft

About Luxoft

Luxoft is the design, data and development arm of DXC Technology, providing bespoke, end-to-end technology solutions for mission-critical systems, products and services. We help create data-fueled organizations, solving complex operational, technological and strategic challenges. Our passion is building resilient businesses, while generating new business channels and revenue streams, exceptional user experiences and modernized operations at scale.

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