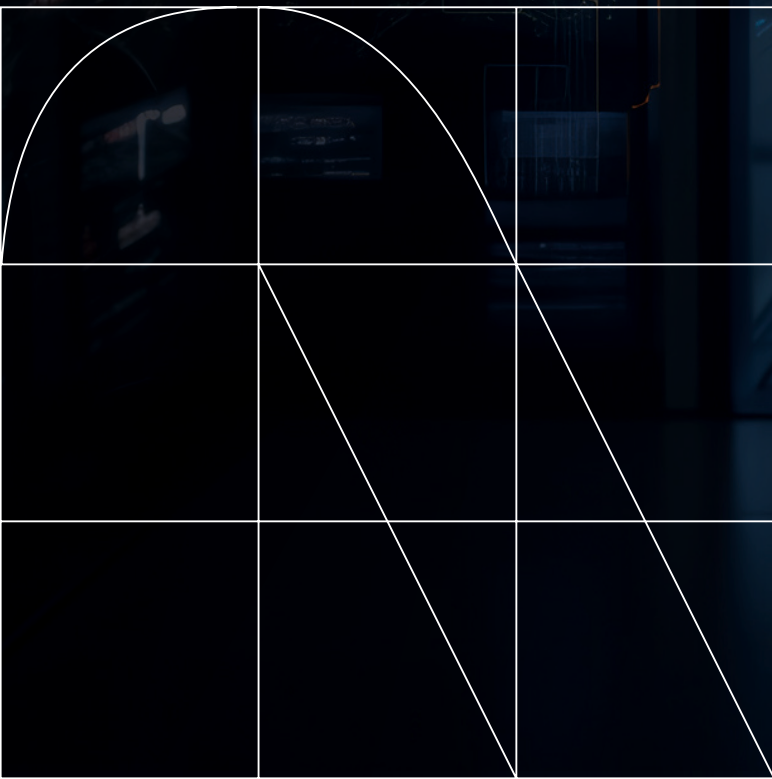


PROVIDE YOUR ORGANIZATION WITH EVERYTHING YOU NEED TO ENSURE ADOPTION AND BUSINESS CONTINUITY IN THE CLOUD

Adopt the cloud in your organization
on a solid foundation that maximizes
your business.

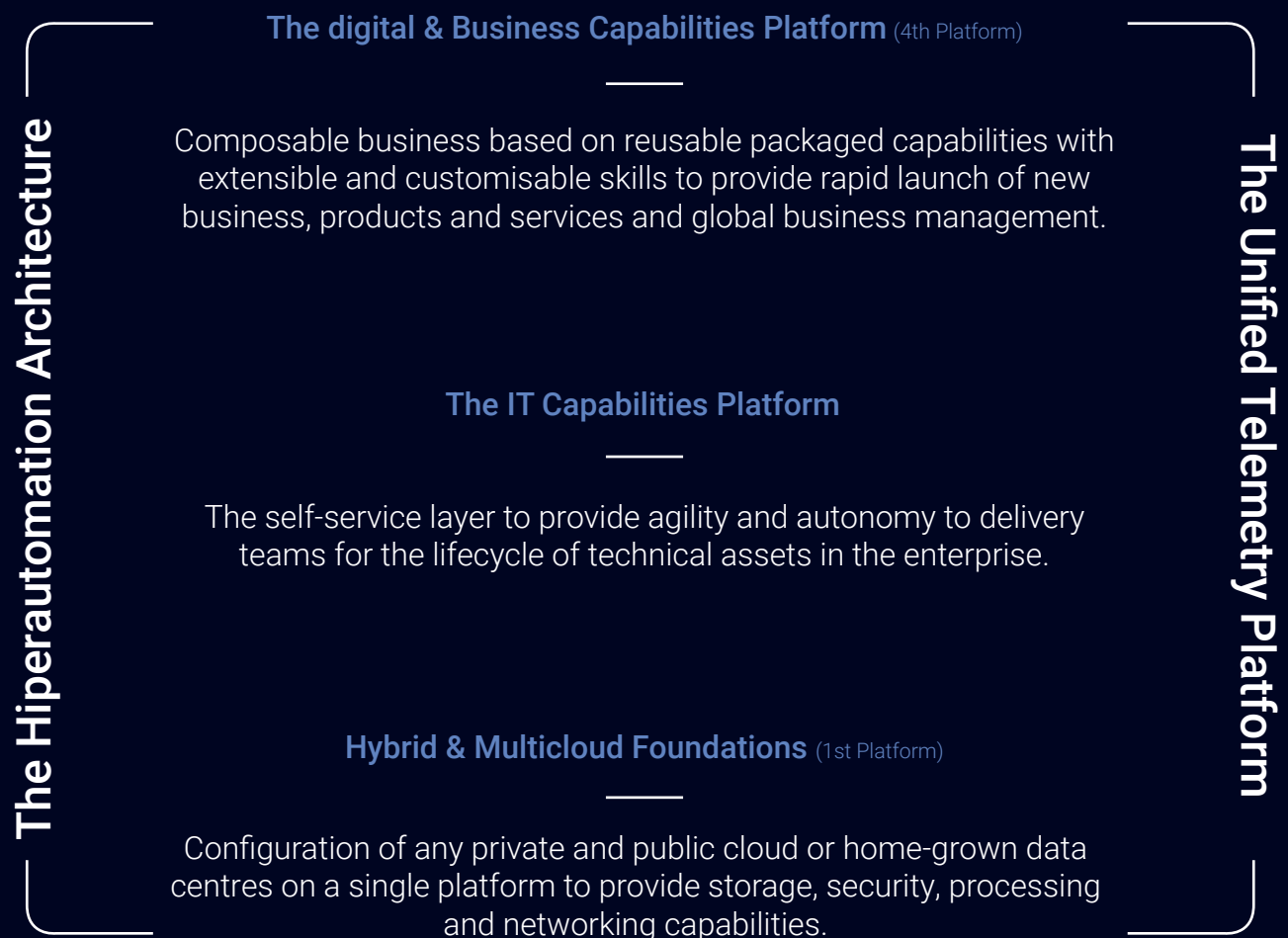


In today's business environment the adoption of cloud technologies has become a must to stay competitive and respond nimbly to market changes.

Cloud Organization is not only about leveraging the technical and operational benefits of the cloud, but also about transforming the business mindset and culture.

By defining a robust Cloud Organization, the company promotes collaboration, innovation and agility at all levels. This fosters the implementation of new practices and a favorable environment for digital transformation. In addition, this organization provides the basis for implementing migration strategies and workload optimization. This ensures business continuity while preparing the company for the future.

Depending on the level of cloud adoption in the company, different capabilities of the corporate platform should be considered.



For the implementation of the first level, where the foundations of the platform are defined, NTT DATA has created an asset developed according to AWS best practices:

ELZAN

Enterprise Landing Zone Accelerator



Description

Those companies that require the use of Cloud as a strategic solution for their business need to have solutions that allow them to ensure their Cloud Adoption in different areas.

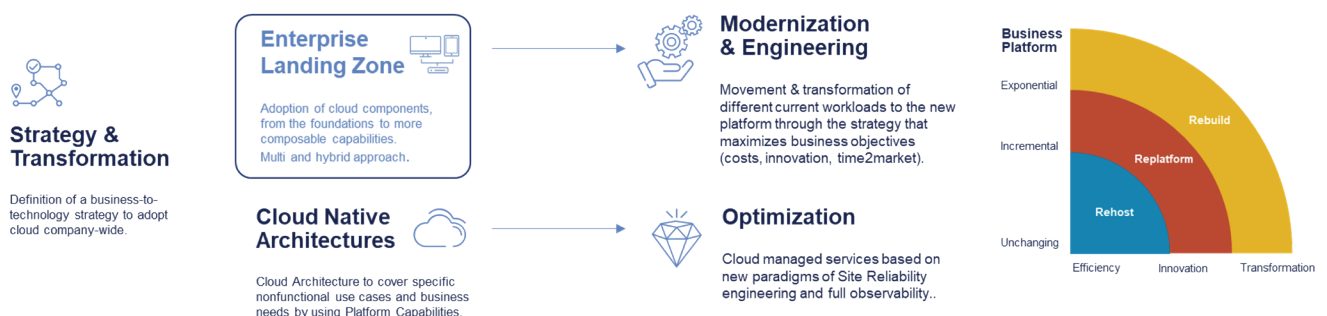
One of these areas must ensure that C-level teams have the necessary capabilities to guarantee the business continuity of workloads, which is why an Enterprise Landing Zone in the Cloud is required.

ELZAN has been developed to speed up the implementation of these capabilities in your business.

This solution is a modular solution that provides a customized solution based on two principles:

- The Cloud Organization will adapt to your organization and requirements.
- The capabilities of the asset are configurable, so the installation will adapt to your installed base.

With the installation of the asset, specific integration consultancy and implementation required by your business are included.



Overview

The module designs have been made with **CDK technology**, and the designs are based on the **AWS Well-Architected Framework**.

| Key Features

Organization

The Cloud Organization must serve the different stakeholders of the business IT organization. Based on the RACI matrix of the IT organization, the account structure must be created to incorporate the different IT teams.



Organization Cloud

Business Scalability

A solution is offered that allows the business to scale through automatic provisioning script configurations (AWS Organizations), which includes Region, Tenant and Business unit.

Organizational model

C-level teams must have well-defined roles and responsibilities so that the organization does not have gray areas or uncovered areas. Therefore, associated with the capabilities provided by the solution, a RACI matrix is included that, along with the exploitation guidelines, provides a perfectly defined operating framework.



Governance

Taggings

There is a methodology and proposed taggings for your organization's accounts. This will allow you to include governance capabilities on your platform from the outset, such as cost control, configuration, backups, etc.

Naming conventions

There is a methodology for naming accounts that is designed to simplify the subsequent operation of the platform, taking this into account from the outset.



Security & Compliance

IAM

A methodology and configuration of Groups, Roles, default users, etc. is offered to provide coverage for different operational groups, all aligned with the proposed **RACI matrix**.

Guardrails

AWS has a preventive Guardrails configuration at the platform level. A standardized definition of this configuration is available for different account types.

Service Control Policies

Through IaC parameterization, your operation teams can configure custom SCPs for organization accounts, enabling security to evolve as Cloud adoption progresses.

Audit

Configuration of an audit account.





Finance Module

The adoption of the Cloud should enable various stakeholders within the organization to have rigorous cost control when it comes to investments or cost optimizations (FinOps) in the Cloud. ELZAN has a module that allows hierarchical cost control, providing a comprehensive view of OPEX in AWS, down to granular workload-level details.

Cost Analysis

The solution allows obtaining reports at different levels: Global, operational teams, tenant, functional domain, projects, and environments. Finance organization.

Cost optimization

Includes recommendations and scaling solutions to provide FinOps capabilities to the organization, allowing for the reduction of OPEX Cloud consumption costs in operation.

Planning and budgeting

Tracking of the budget and notification of consumption per unit of time to different stakeholders based on thresholds.

Reports

Capabilities are included to obtain Cloud consumption cost reports.





Security Module

The security capabilities to be provisioned must be based on the **Well-Architected Framework**, which includes **incident response, infrastructure security, IAM and user management, threat detection, and data protection**.

Identity management and access control

This includes capabilities and policies (least privilege) for access to AWS platform by groups, roles, users, etc.

Monitoring and logging

Capabilities are included to record all actions taken on the AWS platform and incident response.

Threat and vulnerability detection

The solution includes capabilities that ensure the detection of threats and vulnerabilities in workloads.

Compliance

Capabilities aimed at ensuring Compliance defined in the organization for AWS resources and accounts.

Security Posture

Centralized management of the organization's security, providing the capability to know the status of the platform and workloads.

Data protection

Capabilities are included to ensure data security both in transit and at rest.





Infrastructure Module

There is a comprehensive centralized communications management layer available. This solution will provide complete control over communications in the Cloud while streamlining management for your operational teams.

Centralized communications

Unified networking will be provided throughout the organization with the possibility of segregation between tenants.

- Ingress Traffic
- Egress Traffic
- East-West Traffic
- Traffic with OnPremise
- Traffic with Endpoints
- DNS
- Traffic between Regions/Tenants

Infrastructure Security

The infrastructure security capabilities are included to ensure the traffic of the AWS platform.

- Layer 7 protection
- Layer 3-4 protection
- Access control
- Traffic encryption



BackUp & Shared Services Module

Different challenges arise that must be addressed in the business continuity plan. It necessary to ensure availability, latency, performance, and capacity of all solutions and services.

Backup policies:

These include capabilities such as Backup, Snapshots, MultiAZ Deployments, and Cross-Region Replications. These capabilities will allow you to have a business continuity plan that includes both data (AWS Backup).

- Backup plans and policies management
- Backup parameterization
- Backup usage guarantee
- Information encryption
- Backup restoration

Vaults

The solution allows you to apply a logical separation of your organization's backup data. This way, you can have greater information governance and compliance in your company.

- Vault customization
- Vault usage guarantee
- Operational efficiency

Operational efficiency

The solution includes integration with monitoring and alert management tools. This way, your operational team will have the tools to ensure that security policies are being properly applied in the organization.

- Monitoring
- Alarm and notification management





Monitoring Module

Platform monitoring is key to ensuring business continuity of applications.

A centralized point must be available that provides operations teams with a complete view of the platform's status. The platform must have alerting systems in place to notify operations teams when action is required.

Centralized monitoring

All platform components will be integrated with a centralized monitoring tool in AWS CloudWatch, allowing operation teams to have a complete view of the health status of the platform's capabilities.

- Information exploitation
- Platform dashboard
- Delegated administration

Operational efficiency

The solution includes integration with alert management tools. This way, your operation team will have the tools to ensure real-time information on platform functioning issues.

- Alarm and notification management.



NTT DATA

For 2021 Gartner's Magic Quadrant, NTT DATA has been named a Challenger service provider. This supports NTT DATA's goal to help clients maximize their business value through technology implementation expertise, innovation practices, and trustworthy Data and Intelligence (D&I).

The company shares the Innovation DNA as part of NTT Group, which boosts the innovation in the open ecosystem and fosters responsible AI across its operations.

As a trusted global innovator, our values come from "consistent belief" to shape the future society with clients and "courage to change" the world with innovative digital technologies.

Contact

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