

DIGITAL BUSINESS

MODERN WEB APPLICATIONS & PLATFORMS



INCREASING NEED FOR WEB APPLICATIONS

- Digitalization moves business to Online channel
- Shift from Desktop to Mobile
- New technologies like HTML5
- Increasing usage of SaaS services
- APIs and integrations between web applications

NORDIC LEADER IN MODERN WEB APPLICATION HOSTING

- In 2017 our 170 professionals managed 20 % of Finnish Web Applications
- We process over 10 million page requests per hour
- We serve over 75 000 unique domains
- Our customers have achieved 100 % availability for their critical business with our services
- We provide a range of services to professionally run your web application on major public clouds
- Amazon Web Services and Azure partner
- Our own INcloud 9 cloud platform is based on OpenStack technology

Small Scale Webhosting

Scalable Web Applications

Globally distributed custom solutions

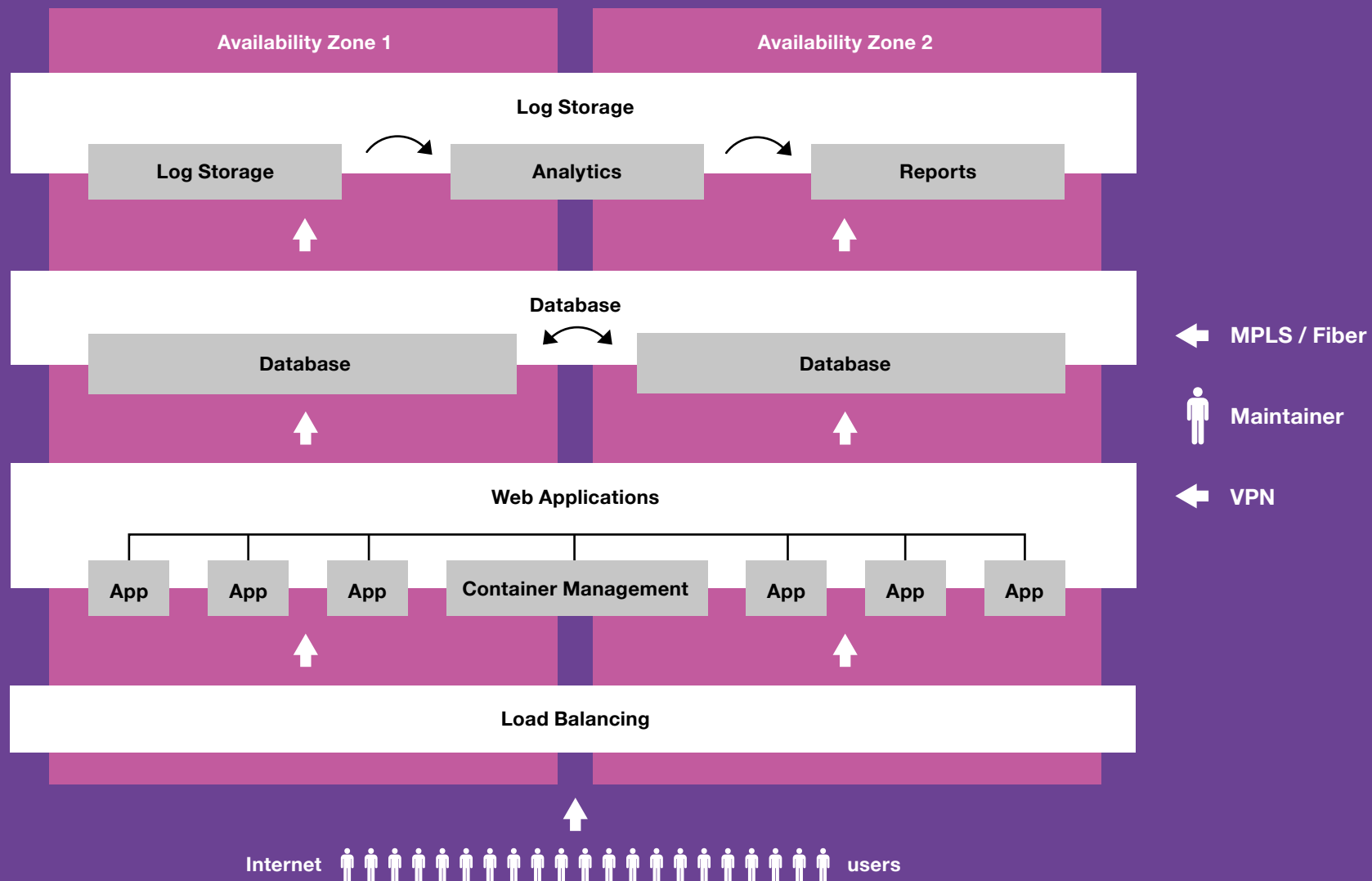


BUILDING BLOCKS FOR MODERN WEB PLATFORM



This brochure shows the typical components for a modern web platform. We provide tested reference models with proven customer success that can be used modularly or together.

WEB APPLICATION CLOUD ARCHITECTURE



SOLUTIONS FROM TOP CLOUD PLATFORMS



Amazon Web Services has grown from a server farm for Amazon the bookstore to a cloud service catalogue for millions of users. Practically synonymous for cloud services, AWS offers a collection of easy to use and scalable services for virtual servers, containers, storage, databases and analytics.

Why Telia Inmics-Nebula

24/7 services

Project & Consulting

Reseller

Consulting Partner

Tens of certified engineers

INCLOUD 9

INcloud 9 utilizes the open source OpenStack platform. Cloud services are provided from Telia Inmics-Nebula's own data centers in Finland. The ISO 27001 certified INcloud 9 enables a superb connectivity to corporate networks, existing servers and data centers.

Why Telia Inmics-Nebula

24/7 services

Project & Consulting

The most experienced Partner in Finland for OpenStack



Microsoft's answer to Amazon's cloud platform is Azure, which integrates perfectly to Microsoft applications and ecosystem. Azure offers a familiar platform for applications running from Microsoft's product family, but also supports open-source technology.

Why Telia Inmics-Nebula

24/7 services

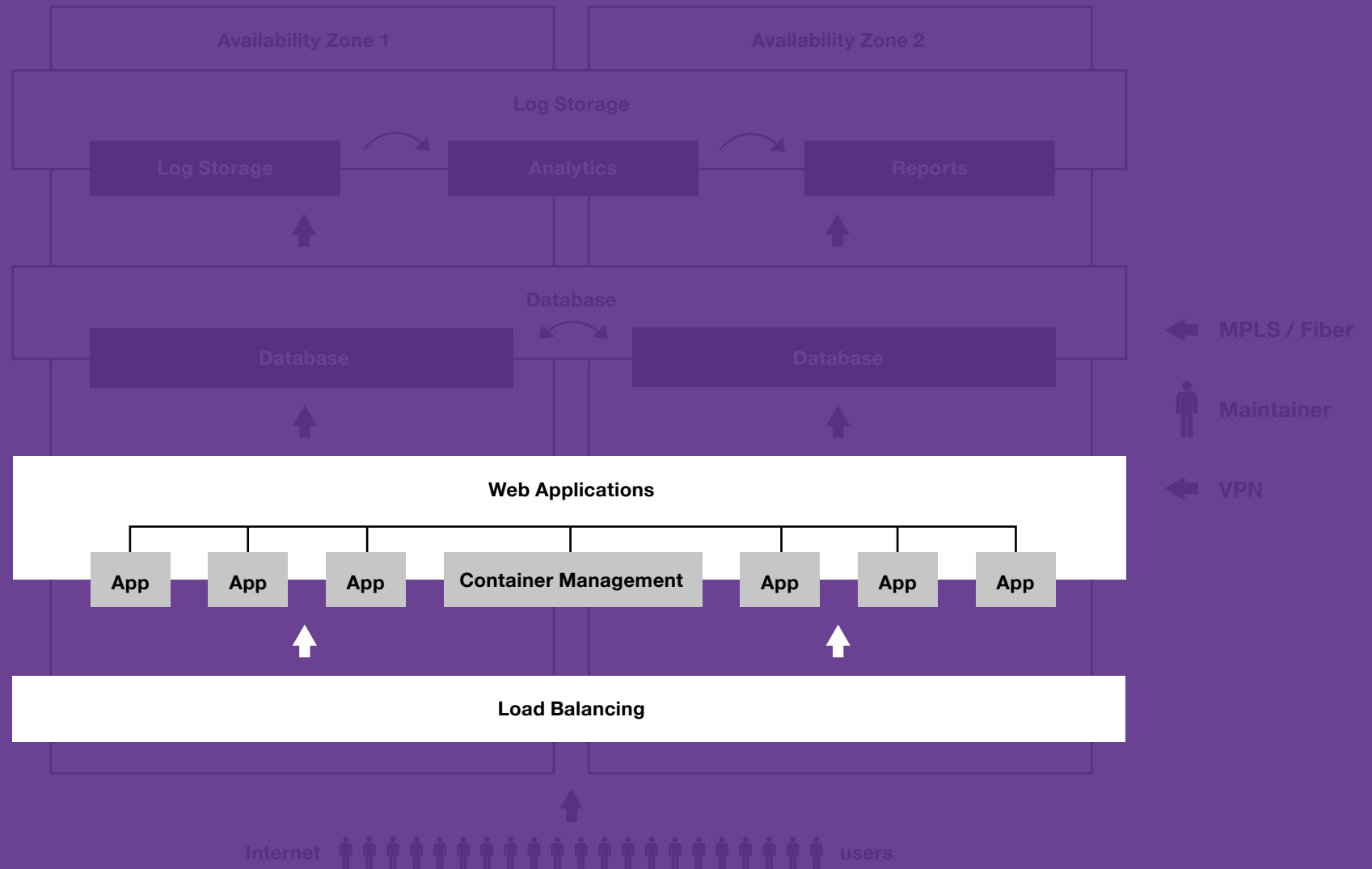
Project & Consulting

Reseller

CSP Direct Partner

Gold Partner

WEB APPLICATION CLUSTER WITH ALWAYS THE RIGHT AMOUNT OF RESOURCES



WEB APPLICATION CLUSTER WITH ALWAYS THE RIGHT AMOUNT OF RESOURCES

A modern web scale application should perform both during low and peak traffic.
With a 20-year experience, we build scalable and resilient server environments.

SCALABLE SERVICE

- High availability and extensibility
- Deploy to multiple availability zones
- Load balanced, fault tolerant connections

BENEFIT FROM TELIA INMICS-NEBULA'S EXPERIENCE

- We hosts 20% of Finnish web sites
- Web servers are optimized with best practices

MODERN WEB APPLICATIONS

- Scale and self-heal from failures
- Use version control for code and configurations
- Follow microservice architecture patterns

USE CASES

- Run PHP, Python, Java and Node.js applications
- Production environment for Wordpress, Drupal other familiar platforms

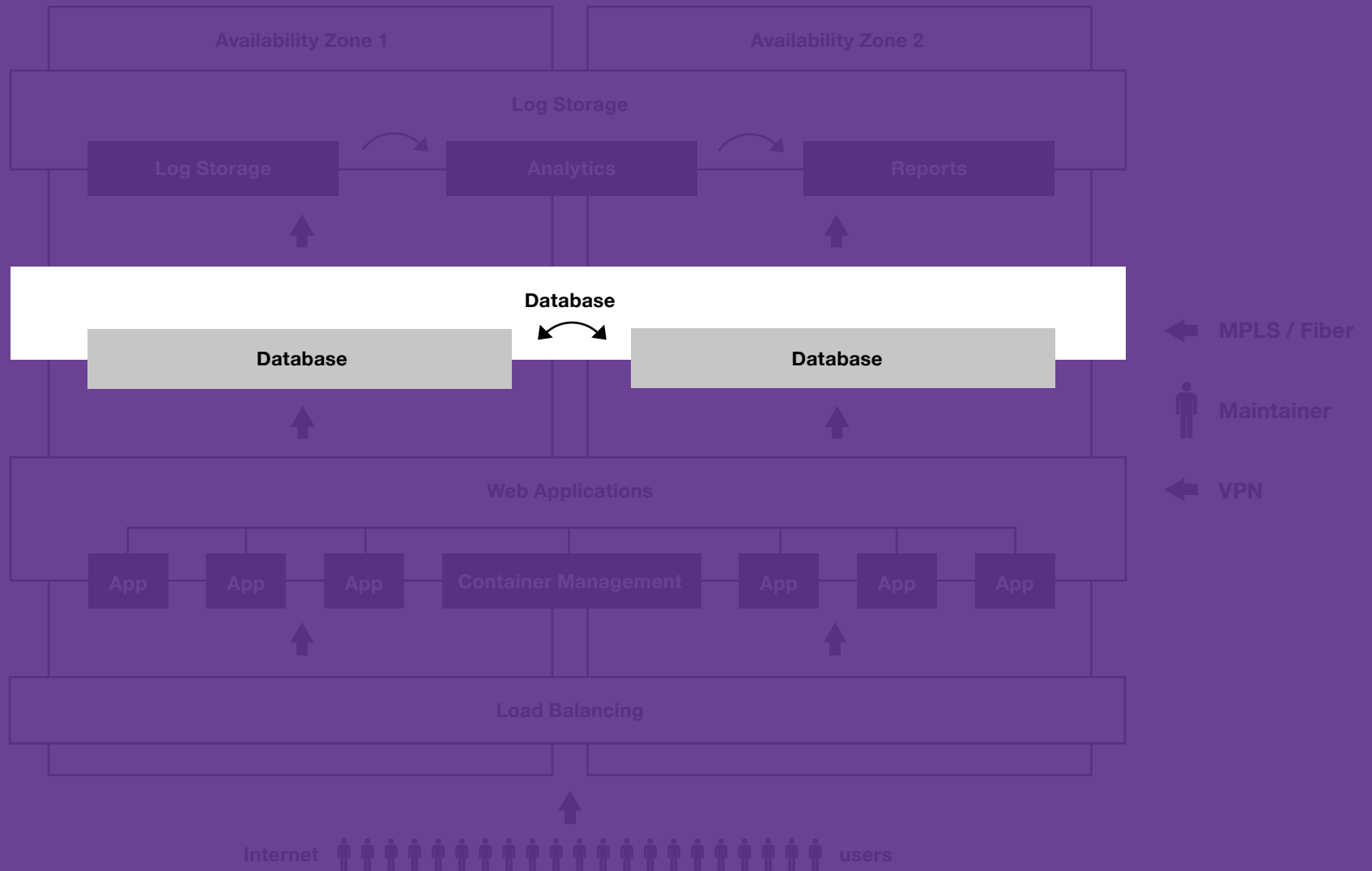
TECHNOLOGIES USED

- Apache Server | Nginx
- PHP, Node.JS
- INcloud 9 NELB
- AWS Elastic Load Balancing
- Azure Load Balancer

EFFORTLESS SERVICE

- Your application, managed and supported by us
- Monitoring and supervision from our staffed Service Operations Center

MYSQL AS A SCALABLE, HIGHLY AVAILABLE SERVICE



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Migrate your databases to a clustered MySQL service that ensures availability of your crucial data 24/7.

HIGH AVAILABILITY

- Self healing database cluster
- Load balanced connections
- Distributed to multiple availability zones

TECHNOLOGIES USED

- MariaDB Galera Cluster
- HAProxy, ProxySQL
- Amazon RDS
- Azure Database for MySQL

BENEFITS

- Database service for modern web applications
- Your data always secured and available

USE CASES

- Scalable web applications
- Business critical systems

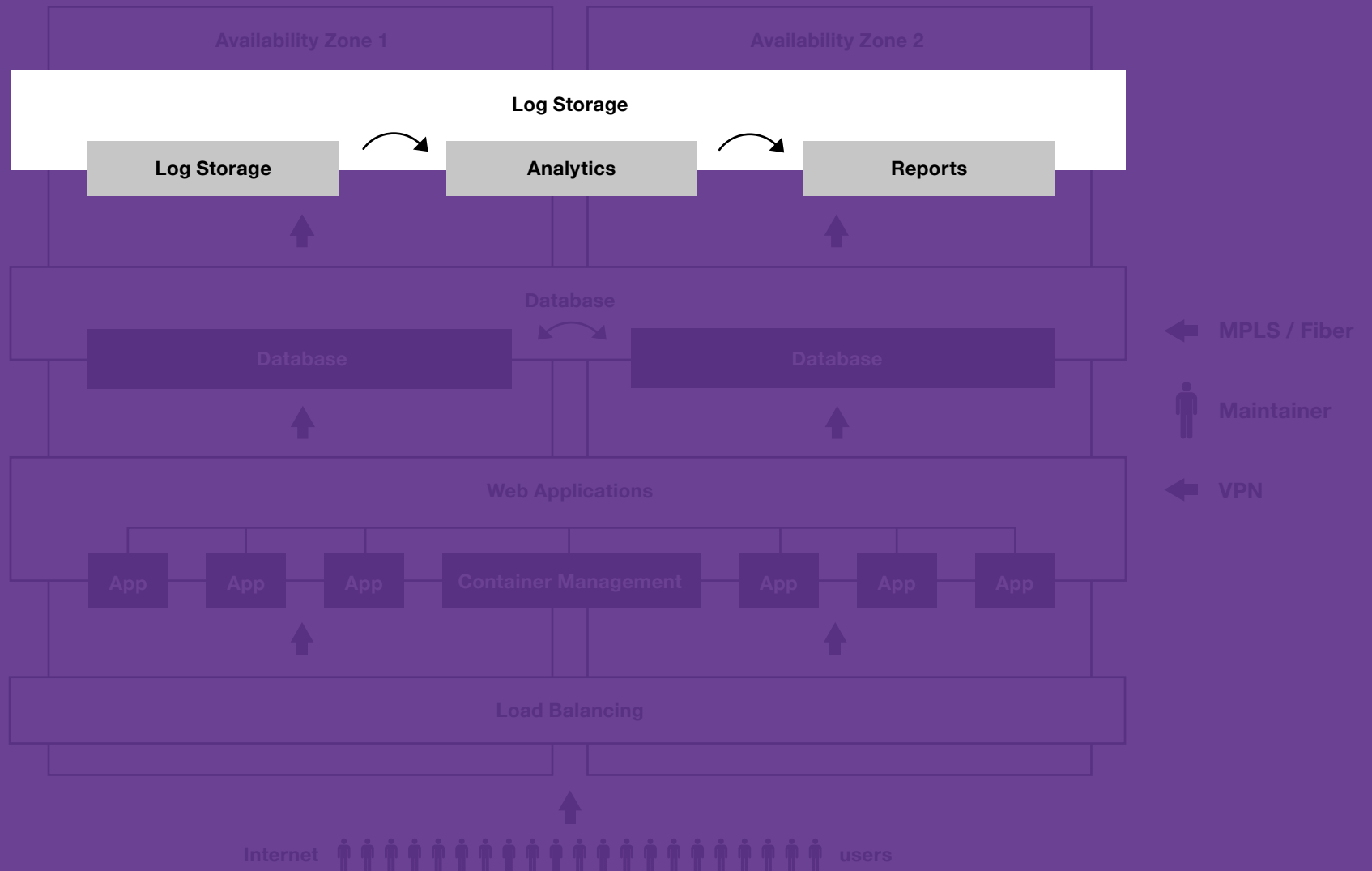
CUSTOMER INTERFACES

- Fully MySQL compatible
- Databases automatically replicated to multiple availability zones

EASE OF USE

- We maintain your databases on your behalf
- Information security updates are included in the service

CENTRALIZED LOG COLLECTION WITH REALTIME ANALYTICS



CENTRALIZED LOG COLLECTION WITH REALTIME ANALYTICS

Monitor the use and operations your web applications with proper log analytics.
Identify bottlenecks before they affect production.

SEND YOUR LOGS FOR ANALYZATION

- All common log formats supported
- Scales as your business grows

USE CASES

- Application operations monitoring
- Failure management
- Obey log keeping regulations

A MODERN WAY TO MANAGE LOG DATA

- Gather your logs to a central location
- A centralized log solution for distributed systems
- Compatible with containers and microservices architecture

TECHNOLOGIES USED

- Elasticsearch Stack
- Logstash
- Kibana

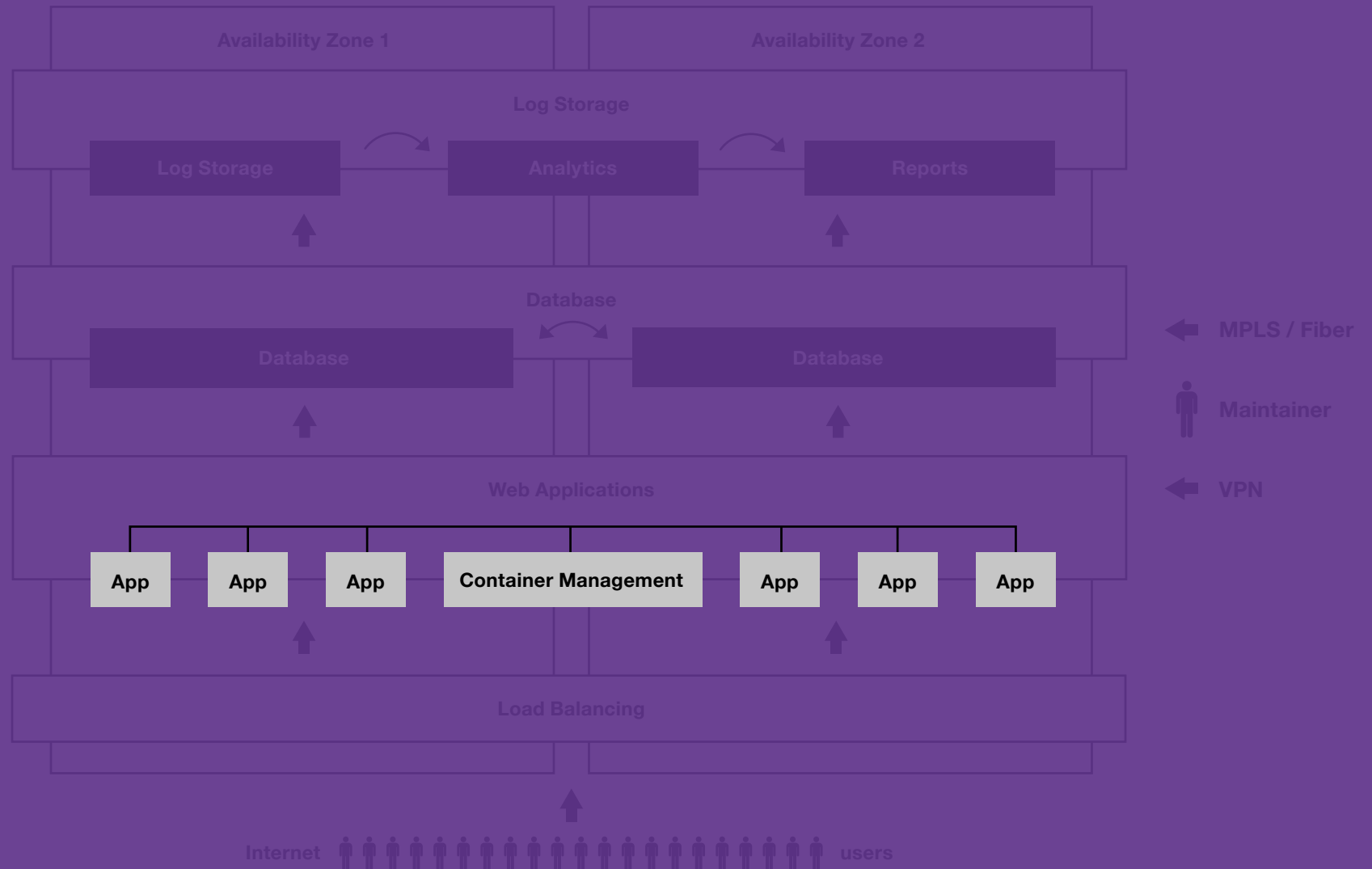
CUSTOMER INTERFACES

- Ship all application logs to a single target
- Web analytics for log examination, visualizations and analytics

BUSINESS BENEFITS

- Follow customers and transactions on your application
- Benefit from analytics in decision making process

DEPLOY YOUR CONTAINERS TO A MANAGED CLOUD SERVICE

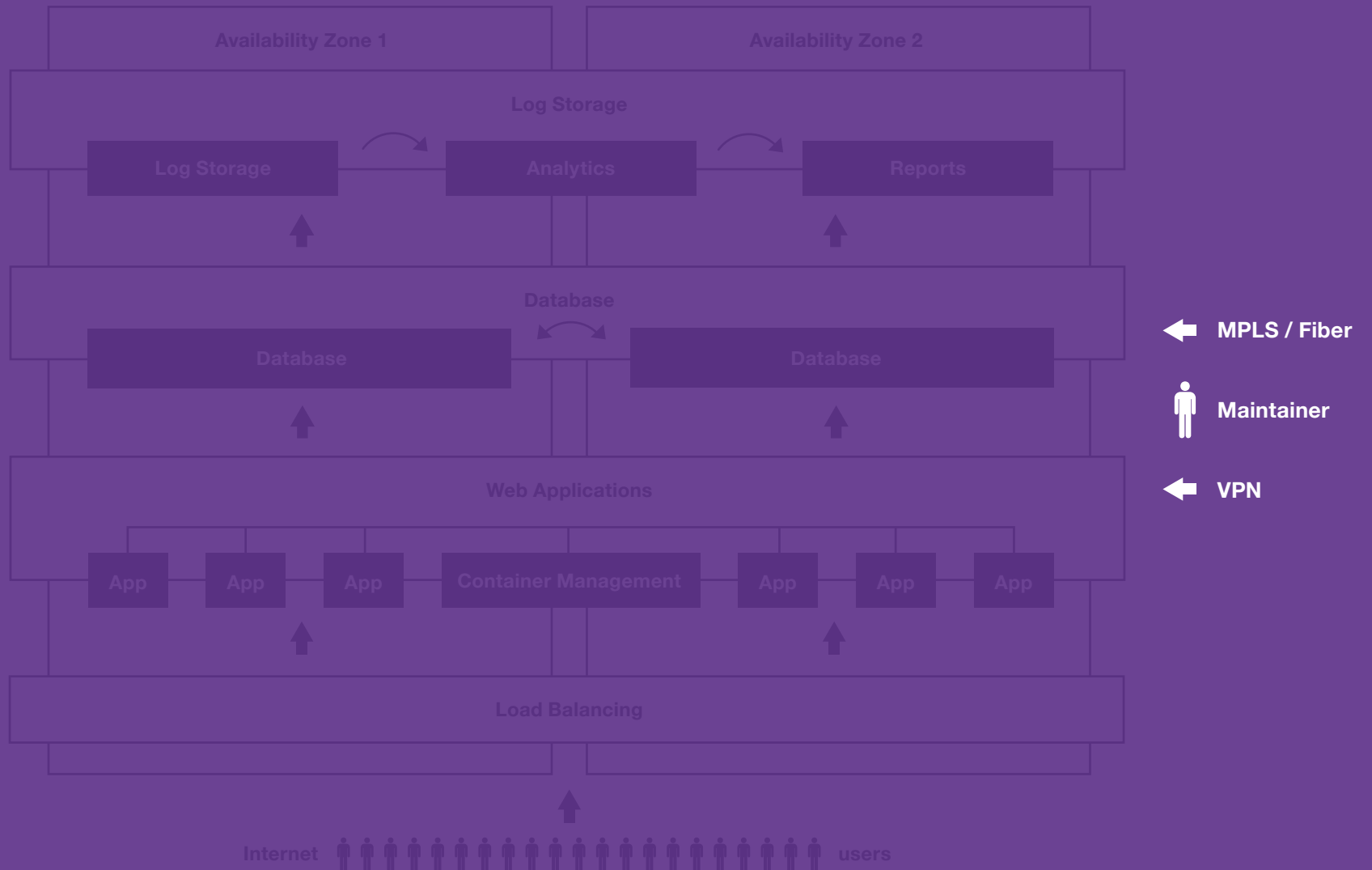


DEPLOY YOUR CONTAINERS TO A MANAGED CLOUD SERVICE

Build your modern web applications in an agile way and deploy them smoothly to production.
Make your applications easy to manage, scalable and self-healing with a cloud-enabled container solution.

BUILD YOUR APPLICATION AS CONTAINERS <ul style="list-style-type: none">• Use continuous integration• Benefit from the flexibility of a microservices architecture• Matching development, QA, staging and production environments	USE CASES <ul style="list-style-type: none">• Modern microservices-enabled cloud applications• Running agile applications in the cloud	BENEFITS <ul style="list-style-type: none">• Manage applications, not servers• Optimize the utilization of your infrastructure
TECHNOLOGIES USED <ul style="list-style-type: none">• Docker• Kubernetes• AWS Elastic Container Service• Azure Container Service	CUSTOMER INTERFACES <ul style="list-style-type: none">• Manage containers with familiar tools such as kubectl• Kubernetes Web UI visualizes the status of your infrastructure	EASE OF MIND <ul style="list-style-type: none">• Autoscaling - always the right number of containers running• Security patches automatically applied

SECURE AND DIRECT CONNECTIONS TO YOUR CLOUD SERVICES



SECURE AND DIRECT CONNECTIONS TO YOUR CLOUD SERVICES

Link your corporate network and cloud services securely with a VPN connection.
Connect through the Internet or with a dedicated fiber connection.

CONNECT SECURELY

- Manage cloud resources securely using a VPN connection
- Connection speeds up to 10 Gbit/s

USE CASES

- Manage your cloud resources as part of your existing corporate network
- Isolate production environment management from the Internet

HIGH-SPEED CLOUD NETWORKS

- Direct and high-speed connections
- Avoid using public connections to manage your cloud resources

CONNECTION METHODS

- VPN connections
- Fiber
- MPLS
- VDSL, SHDSL
- Mobile 4G
- Backup connections

TECHNOLOGIES USED

- Azure Virtual Private Cloud
- AWS Virtual Private Cloud
- AWS Direct Connect
- SSL-VPN, IPsec VPN, MPLS, and fiber connections

BUSINESS BENEFITS

- Blazing fast connections to the cloud
- Monitored and highly available connections

TECHNOLOGIES



CUSTOMERS

We help our customers to unleash the potential of cloud



LEARN MORE...

www.inmicsnebula.fi

