

# Casablanca

## Vzhůru do oblak

aneb co přinese cloud  
provozovatelům GIS systémů

virtual experience

## Agenda

- Aktuální trendy v ICT
- Co to je Enterprise cloud?
- Bezpečnost na prvním místě
- Specifika provozu GIS systémů v Cloudu

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# Step #1

## Core Business Focus

How much more productive would your business be if it were not dogged by technology issues?



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# Step #2

**MORE**  
— *with* —  
**LESS**  
— *is* —  
**MORE**

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# Step #3



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# Step #4



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# Taking the Path to Cloud Computing



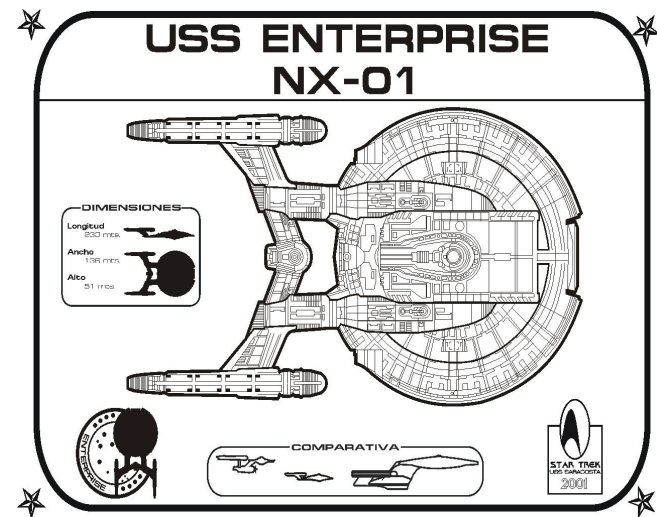
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# Enterprise cloud

## ■ Infraestructura pro mission-critical aplikace

- Flexibilita
- Bezpečnost
- Automatizace
- Dostupnost
- Garance SLA/QoS



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# Cloud System Matrix

- Vyvinuto jako HP privátní cloud
- Špičkový HW i SW
- Mission-critical podpora
  - Reaktivní
  - Proaktivní



**BIG  
BLUE  
ONE**



vmware

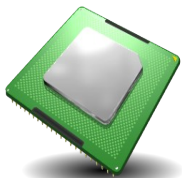
AMD

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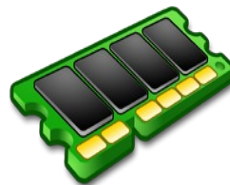
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# Size matters

- HP BladeSystem c7000
- HP Blade Server ProLiant 685c G7
- HP IRF virtual-chassis networking
- 80Gbps interconnect



1024x



4TB



150TB

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# Storage solution

- Dvojice HP 3PAR F400 Utility Storage
- Replikace dat do jiné fyzické lokality
- Adaptivní optimalizace (SSD-FC-NL)
- Zálohování v reálném čase
- Disaster Recovery řešení



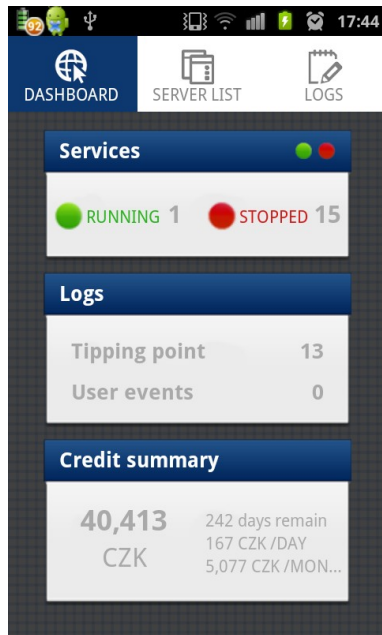
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# Strict Security

- Změna tradičních paradigmat v bezpečnosti
- Separace bezpečnostních zón
- NextGen inline IPS Tipping Point
- Ochrana zranitelností
  - Digitální vakcína, Reputační DB, ZDI, Virtual Patch
  - Život bez false positiv
- vController pro Vmware prostředí
- Juniper SRX firewall



# Go Mobile



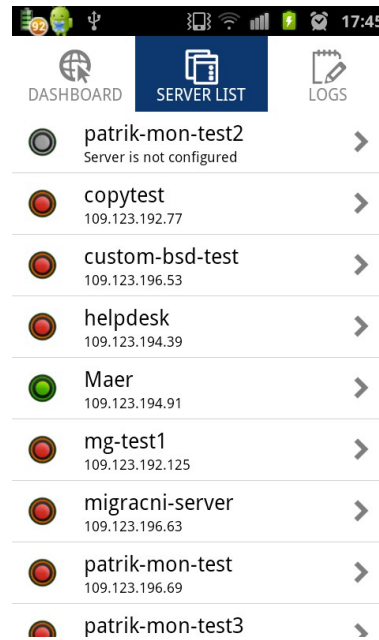
Mobile app dashboard showing navigation tabs (DASHBOARD, SERVER LIST, LOGS) and sections for Services, Logs, and Credit summary.

**Services**

**Logos**

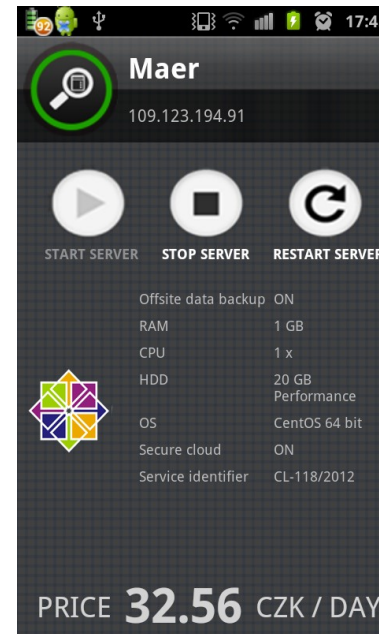
**Credit summary**

40,413 CZK	242 days remain 167 CZK / DAY 5,077 CZK / MON...
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Mobile app server list showing a list of servers with their status and IP addresses.

Status	Server Name	IP Address
Not configured	patrik-mon-test2	109.123.192.77
Running	copytest	109.123.192.77
Running	custom-bsd-test	109.123.196.53
Running	helpdesk	109.123.194.39
Running	Maer	109.123.194.91
Running	mg-test1	109.123.192.125
Running	migracni-server	109.123.196.63
Running	patrik-mon-test	109.123.196.69
Running	patrik-mon-test3	



Mobile app server details for 'Maer' (IP: 109.123.194.91) showing control buttons and specifications.

**Maer**  
109.123.194.91

**START SERVER** **STOP SERVER** **RESTART SERVER**

Offsite data backup ON  
RAM 1 GB  
CPU 1 x  
HDD 20 GB Performance  
OS CentOS 64 bit  
Secure cloud ON  
Service identifier CL-118/2012

**PRICE 32.56 CZK / DAY**

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# GIS specifics

- Komunikačně intenzivní aplikace
- Multi-tenant
- Objemné modely
- Důraz na konzistenci dat
- Bezpečný přístup autorizovaných uživatelů



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# End to end performance



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# Regulations



*Know Your Rights*

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# Casablanca Datacenter



Server Room HC8 (2011)

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# Polet'te s námi!

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