



Algebra
visoko učilište

Osnove ESXi hipervizora

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Sadržaj

- Uvod u hipervizor
- Instalacija
- Osnovna konfiguracija



Vrste hipervizora

- Bare-metal i hosted
- Prednosti i mane
- Što je sada dostupno?



Metode upravljanja

- DCUI – osnovne funkcije
- vSphere Embedded Host Client
- Naredbeno-linijski i razvojni alati
 - vSphere Command-Line interface
 - vSphere PowerCLI
 - vSphere API
- vCenter Server – središnje upravljanje



Metode upravljanja (2)

```
VMware ESXi 6.5.0 (VMKernel Release Build 4564106)

VMware, Inc. VMware Virtual Platform

2 x Intel(R) Core(TM) i7-4712MQ CPU @ 2.30GHz
4 GiB Memory
```

Download tools to manage this host from:
<http://esxi65test/>
<http://172.16.109.147/> (DHCP)
<http://1fe80::20c:29ff:fee7:f5521/> (STATIC)

<F2> Customize System/View Logs

The screenshot displays the VMware ESXi 6.5.0 web interface for host 'esxi65test.localdomain'. The interface includes a left-hand navigation pane with options like Host, Virtual Machines, Storage, and Networking. The main content area shows various host details:

- Host Summary:** Version 6.5.0 (Build 4564106), Status Normal (not connected to any vCenter Server), Updated 0:02 days.
- Hardware:** Manufacturer VMware, Inc., Model VMware Virtual Platform, CPU 2 CPUs x Intel(R) Core(TM) i7-4712MQ CPU @ 2.30GHz, Memory 4 GB, Virtual flash 0 B used, 0 B capacity.
- Networking:** Hostname esxi65test.localdomain, IP addresses 1. 172.16.109.147, 2. 172.16.109.2, DNS servers 1. 172.16.109.2, Default gateway 172.16.109.2, IPv6 enabled Yes, Host adapters 3.
- Storage:** Physical adapters 3, Datastores 1 (datastore1).
- Configuration:** Image profile ESXi: 6.5.0-4564106-standard (VMware, Inc.), vSphere HA state Not configured, vMotion Supported.
- System Information:** Date/time on host Thursday, January 19, 2017, 10:05:32 UTC, Install date Sunday, December 11, 2016, 12:01:16 UTC, Asset tag Unknown, Service tag Unknown, BIOS version 6.00, BIOS release date Thursday, July 02, 2015, 02:00:00 +0200.
- Performance summary last hour:** A graph showing 'Consumed host CPU (%)' and 'Consumed host memory (GB)' over time.

The browser address bar shows the URL <https://172.16.109.147/ui/#/host>.



ESXi poslužitelj - zahtjevi

- Podržani 64 bitni x86 procesor
- Minimalno 4 GB RAM-a
- Minimalno jedna podržana 1 Gb ili 10 Gb mrežna kartica
- Diskovni prostor na nekom od podržanih diskovnih podsustava



Boot metode i instalacija

- Učitavanje sa:
 - Predinstalirane kartice (engl. embedded)
 - Instalacije sa diska
 - PXE boot poslužitelja – AutoDeploy
- Instalacija korištenjem:
 - USB-a
 - CD-a
 - PXE boot poslužitelja
- Vrste instalacije: interaktivno i skriptirano



Odabir lokacije za instalaciju

Select a Disk to Install or Upgrade

* Contains a VMFS partition
Claimed by VMware Virtual SAN (VSAN)

Storage Device	Capacity

Local:	
* VMware, VMware Virtual S (mpx.vmhba1:C0:T0:L0)	10.00 GiB
* VMware, VMware Virtual S (mpx.vmhba1:C0:T1:L0)	40.00 GiB
* VMware, VMware Virtual S (mpx.vmhba1:C0:T2:L0)	40.00 GiB
Remote:	
(none)	

(Esc) Cancel (F1) Details (F5) Refresh (Enter) Continue



Osnovna konfiguracija

- **DCUI**
 - Osnovne postavke
 - Postavke mrežnog pristupa
 - Hostname, DNS, domain search
 - Pristup naredbenom retku
- **vSphere Client**
 - Više konfiguracijskih i operativnih postavki
 - NTP
 - Licenciranje
 - AD





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