

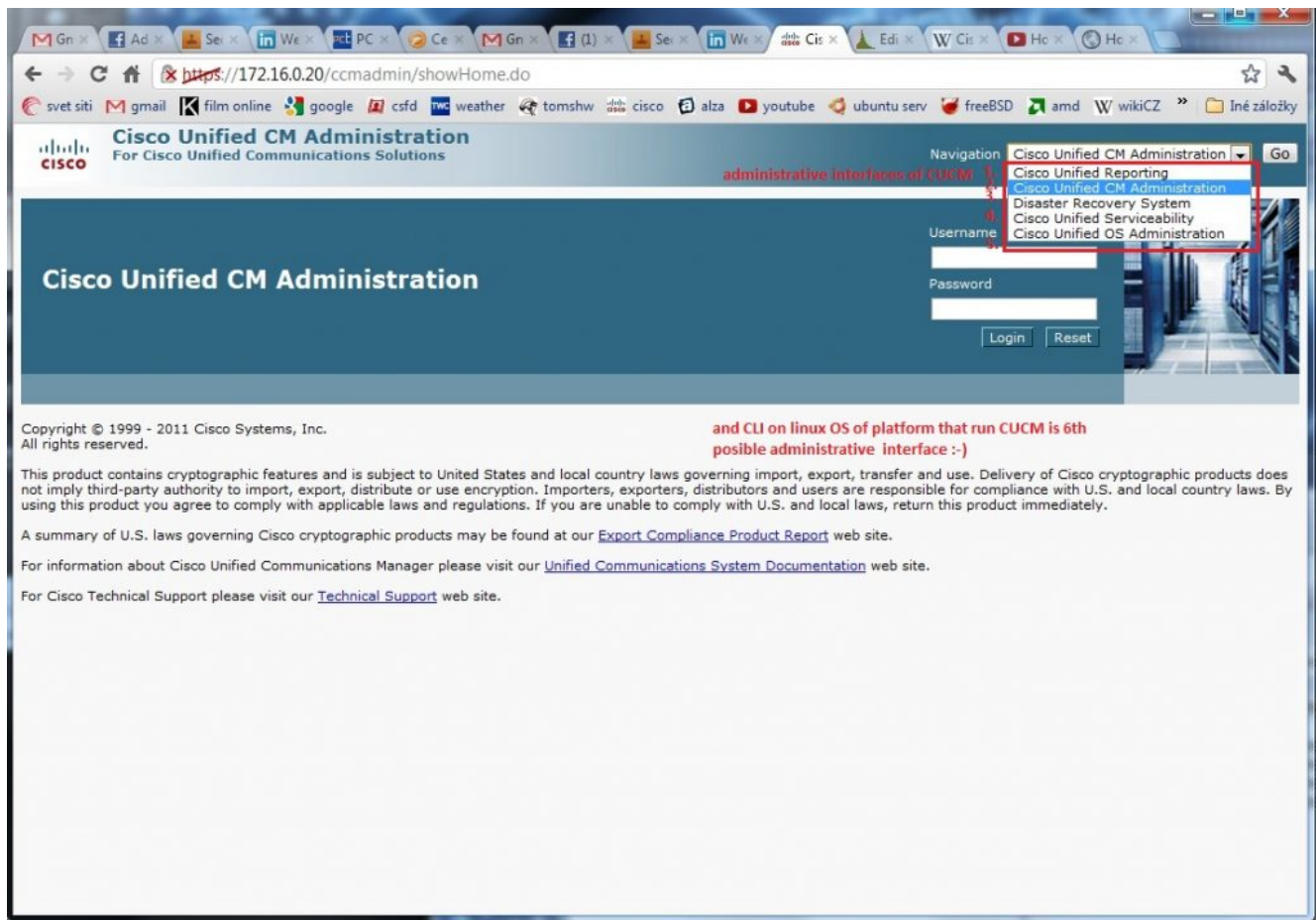
# **11. Cisco unified communication manager 8.6 autoregistration for ephones**

CUCM (Cisco unified communication manager) 8.6 is application based (run on isolated Linux OS RedHat) comprehensive communication platform that support features for high deployment scenario up to 40 000 user per cluster. Further reading about development products from communication manager line can be found on article [http://en.wikipedia.org/wiki/Cisco\\_Unified\\_Communications\\_Manager](http://en.wikipedia.org/wiki/Cisco_Unified_Communications_Manager).

Our training lab will run CUCM 8.6 on environment of VMware workstation 8 (or later) – for simulation must be dedicated for this machine 2G RAM and 1 CPU core as a minimum. How to install CUCM from installation image please read

<http://www.computerfreetips.com/Cisco-Call-Manager-CUCM/Cisco-CUCM8-install-vmware.html>.

First important thing is that administrative web environment consist from 5 interfaces as you can see from next picture



Auto registration is disabled by default against default behavior of small brother CUCME (up to 400 in ISR G2 routers older ISR routers support up to 250 clients).

*Next steps enable auto registration on single CUCM installation environment (act as single publisher with no subscribers for redundancy).*

1) **Enable services important for work** – CM service and TFTP (all is disabled by default). This is done by Cisco unified serviceability in web interface.

**Cisco Unified Serviceability**  
For Cisco Unified Communications Solutions

Navigation: Cisco Unified Serviceability Go

admin About Logout

Alarm Trace Tools Snmp CallHome Help

**Service Activation**

- Control Center - Feature Services
- Control Center - Network Services
- Serviceability Reports Archive
- Audit Log Configuration
- CDR Management

System version: 7.0(2) SR1  
VMware Install: 7.0(2) SR1  
76Gbytes, 2048Mbytes RAM

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A summary of U.S. laws governing Cisco cryptographic products may be found at our [Export Compliance Product Report](#) web site.

For information about Cisco Unified Communications Manager please visit our [Unified Communications System Documentation](#) web site.

For Cisco Technical Support please visit our [Technical Support](#) web site.

<https://172.16.0.20/ccmservice/MainServlet.class?hbtNodeID=176...>

Select these services and apply

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Navigation: Cisco Unified Serviceability Go

admin About Logout

Alarm Trace Tools Snmp CallHome Help

**Service Activation** Related Links: Control Center - Feature Services Go

Save Set to Default Refresh

**Status**  
Status : Ready

**Select Server**  
Server\*: CommManager8 Go  
☐ Check All Services

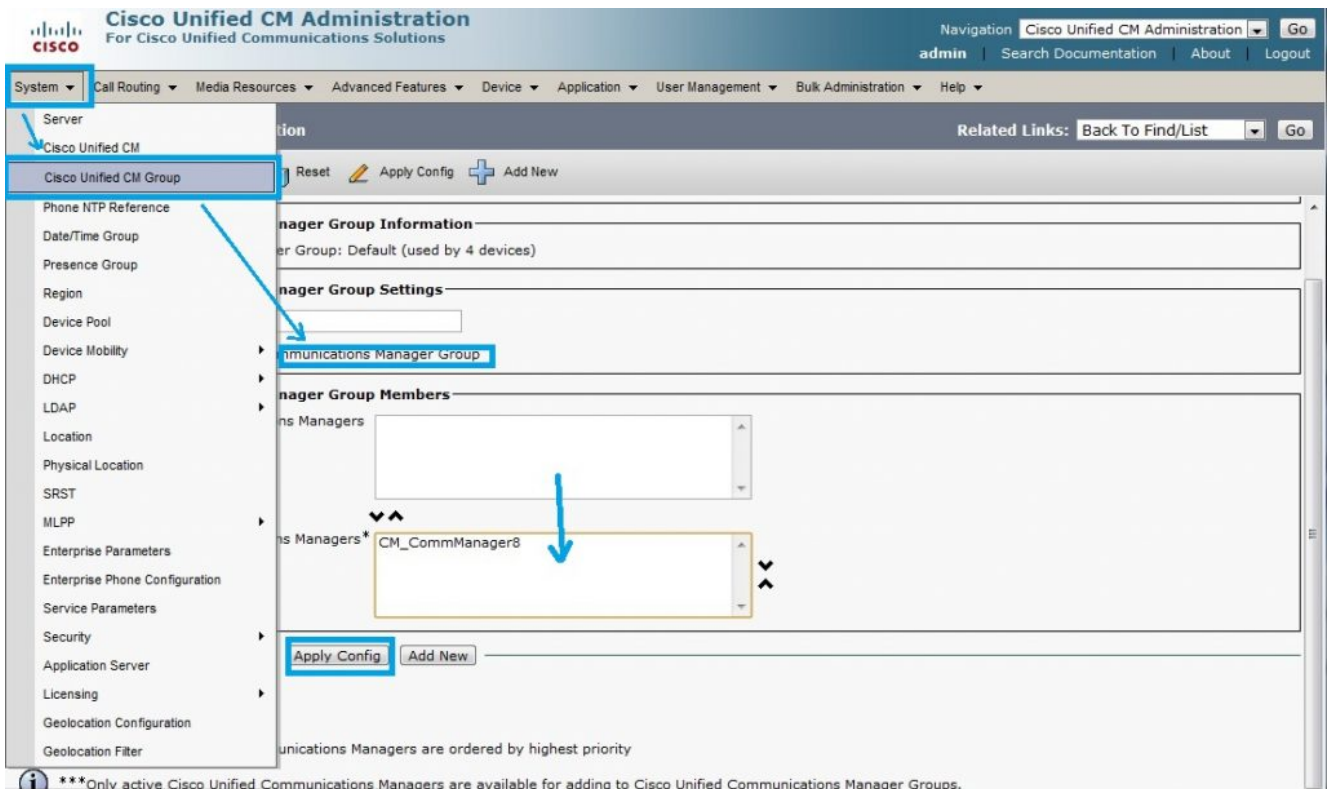
**CM Services**

	Service Name	Activation Status
<input checked="" type="checkbox"/>	Cisco CallManager	Activated
<input type="checkbox"/>	Cisco Messaging Interface	Deactivated
<input type="checkbox"/>	Cisco Unified Mobile Voice Access Service	Deactivated
<input type="checkbox"/>	Cisco IP Voice Media Streaming App	Deactivated
<input type="checkbox"/>	Cisco CTIManager	Deactivated
<input type="checkbox"/>	Cisco Extension Mobility	Deactivated
<input type="checkbox"/>	Cisco Extended Functions	Deactivated
<input type="checkbox"/>	Cisco DHCP Monitor Service	Deactivated
<input type="checkbox"/>	Cisco Dialed Number Analyzer Server	Deactivated
<input type="checkbox"/>	Cisco Dialed Number Analyzer	Deactivated
<input checked="" type="checkbox"/>	Cisco Tftp	Activated

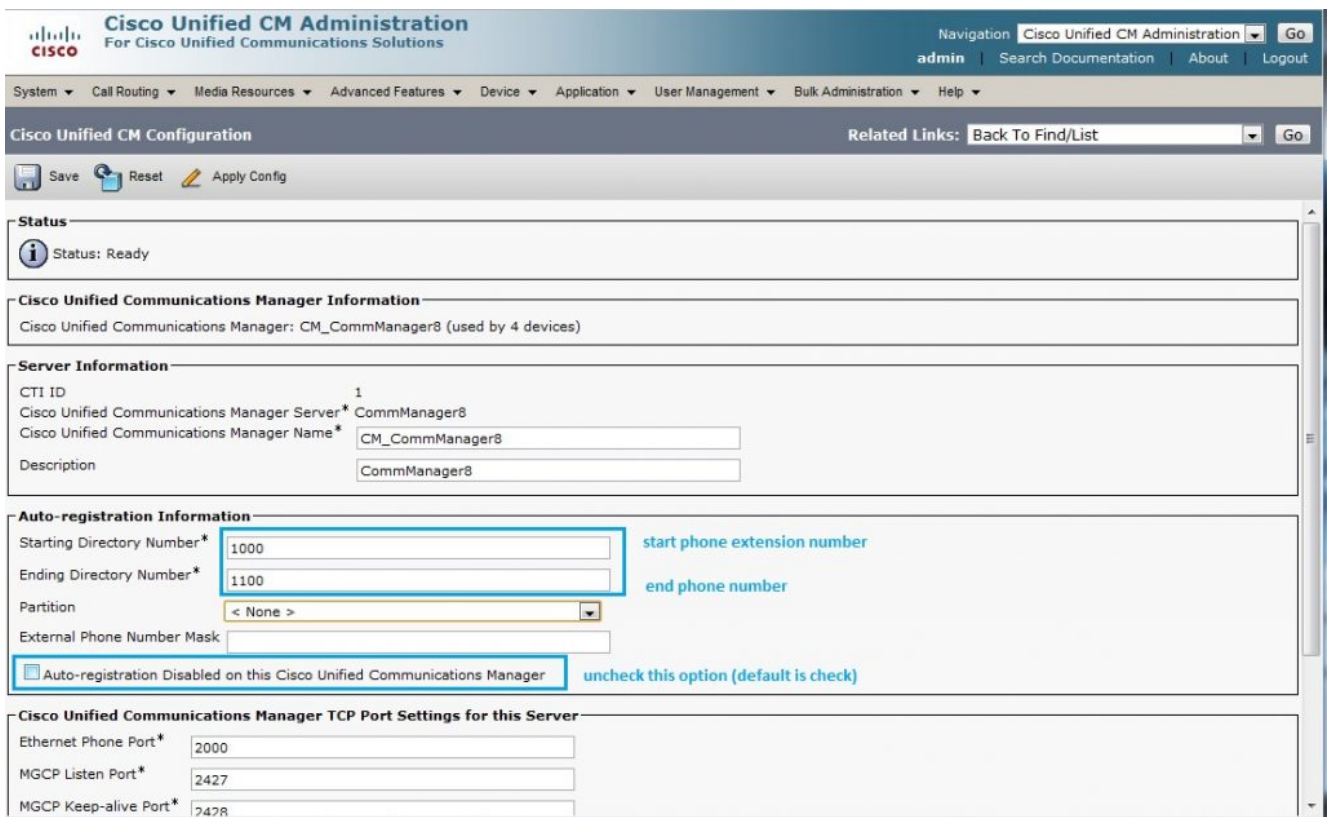
**CTI Services**

	Service Name	Activation Status
<input type="checkbox"/>	Cisco IP Manager Assistant	Deactivated

2) Check settings under system – CM groups and default group created during install



3) Enable auto registration under Communication manager from same section system



As reference for configuration please refer to video of Kewin Wallace on youtube [http://www.youtube.com/watch?v=rGeh8zsm890&list=PLCDD735A54A71D3CC&feature=mh\\_lolz](http://www.youtube.com/watch?v=rGeh8zsm890&list=PLCDD735A54A71D3CC&feature=mh_lolz)