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

CUCM (Cisco unified communication manager) 8.6 is application 0 S based (run 0 n isolated linux 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 be can found on article 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 pleas 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.

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VMware Install		Serviceability Reports Archive	76Gbytes, 2048Mbytes RAM	
		Audit Log Configuration		
		CDR Management		

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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 <u>Unified Communications System Documentation</u> web site.

For Cisco Technical Support please visit our Technical Support web site.

https://172.16.0.20/ccmservice/MainServlet.class?htxtNodeID=176...

## Select these services and apply

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

em 👻 Call Routino 👻 Media Rese	ources 💌 Advanced Features 👻 Device 💌 Application 👻 User Management 💌 Bulk Administration 👻 Help 👻		
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## 3) Enable auto registration under Communication manager from same section system

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System - Call Routing - Media Resources - Ad	vanced Features 👻 Device 👻 Application 👻	🗸 User Management 👻 Bulk Administration	▪ Help ▪					
Cisco Unified CM Configuration Related Links: Back To Find/List								
🔜 Save 🎦 Reset 🧷 Apply Config								
Status Status: Ready				Î				
Cisco Unified Communications Manager Inf Cisco Unified Communications Manager: CM_Co	ormation mmManager8 (used by 4 devices)							
Server Information CTI ID Cisco Unified Communications Manager Server* Cisco Unified Communications Manager Name* Description	1 CommManager8 CM_CommManager8 CommManager8			Ξ				
- Auto-registration Information				=				
Starting Directory Number* Ending Directory Number* Partition External Phone Number Mask		start phone extension number end phone number						
Auto-registration Disabled on this Cisco Unifi	ed Communications Manager uncheo	ck this option (default is check)						
Cisco Unified Communications Manager TCI Ethernet Phone Port* 2000 MGCP Listen Port* 2427 MGCP Keep-alive Port* 2427	P Port Settings for this Server							

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