

## **About Sipera**

### Leader in real-time Unified **Communications (UC) security**

- Confidently deploy UC over any network
- Award-winning UC-Sec appliances

#### **VIPER Lab**

Proactive vulnerability research and assessments

### **Major Partners**

- Avaya DevConnect Platinum
- Cisco Development Partner
- Microsoft Partner
- Nortel Select Product
- RSA Secured Partner







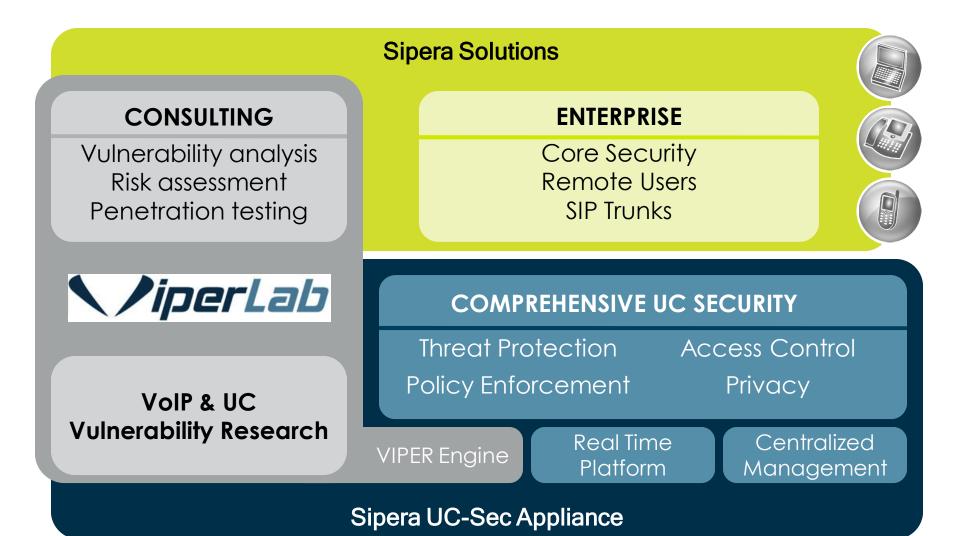








## Sipera Overview





## Sipera CUPS Logging Architecture

# Satisfies requirements for all regulatory compliance

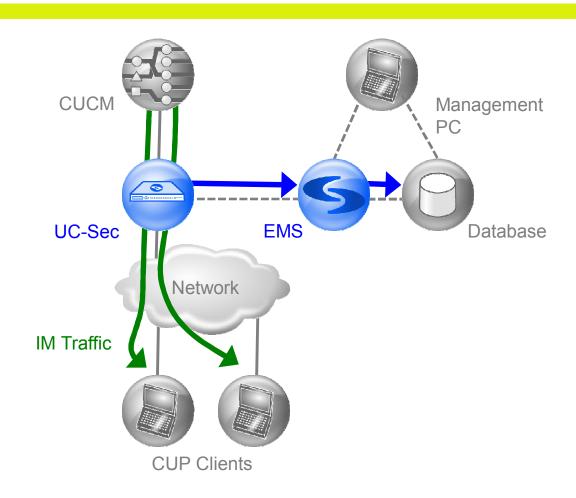
- Sipera UC-Sec is Cisco's only SIP compliance solution
- Logs all Instant Messages
- Has all required data, timestamp, users, communication etc

#### Simplifies Deployment

- Deployed between Cisco Unified Presence and Cisco Unified Personal Communicator
- Clients are automatically reconfigured for IM, presence and directory services

#### Simplifies Audits

- All logs are exported to external SQL database
- GUI based log viewer
- External SQL queries viewer





## Sipera UC-Sec Appliances

	UC-Sec 100, 200, 500	UC-Sec 1000, 2000	UC-Sec 3000, 5000	UC-Sec 10000	UC-Sec 50000
UC-Sec Appliance		3	THE WAY	384 Mar	7984HB
Target Market	Branch / SMB	Small enterprise	Enterprise, Small Provider	Enterprise, Provider	Big enterprise, Provider
Registered users	100, 200, & 500	1k & 2k	3k & 5k	10,000	50,000
Simultaneous sessions	50, 100, & 250	375 & 500	750 & 1,250	2,000	10,000
IM Users	200, 400, & 1k	2k & 4k	6k & 10k	20k	100k

- Sized based on registered users and simultaneous sessions
- **Encryption affects sizing**

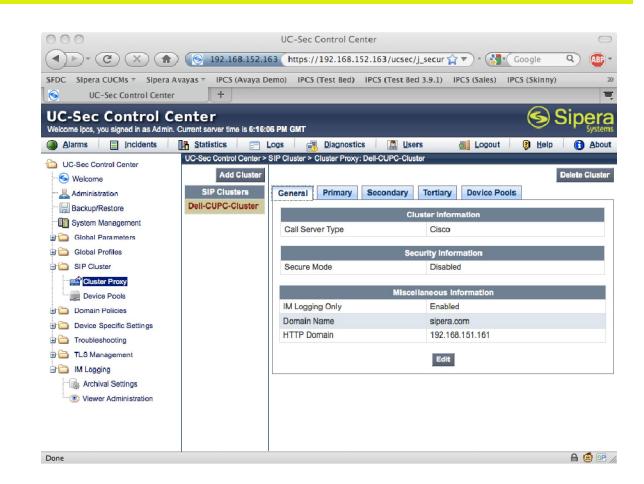


# Configuring



## **Configure CUCM Cluster & Servers**

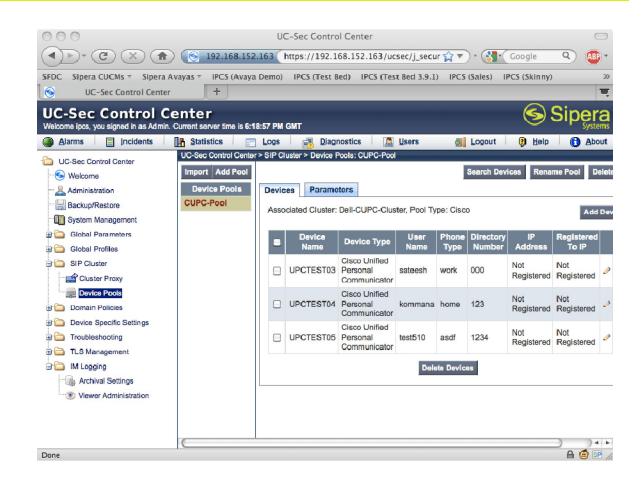
- Add Cisco presence servers
- Configure the CUCM cluster





## **Configure CUCM Device Pools**

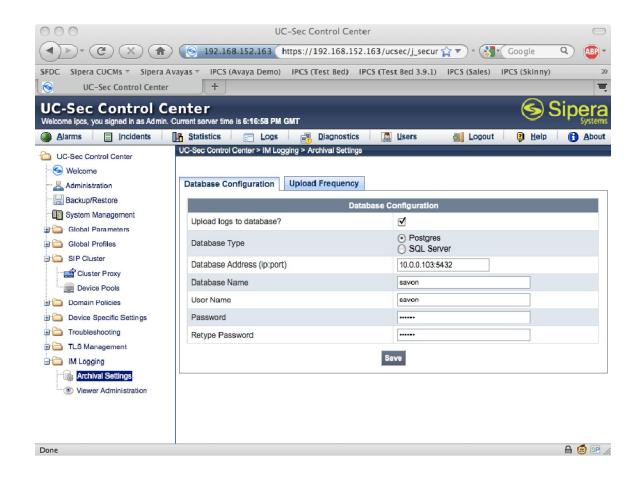
- Create a device pool
- Add or import devices





## **Configure Database**

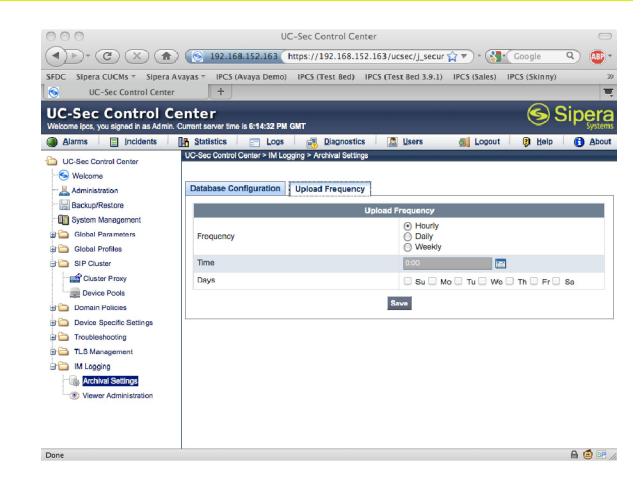
Point to a Postgres or generic SQL server





## **Configure Upload Frequency**

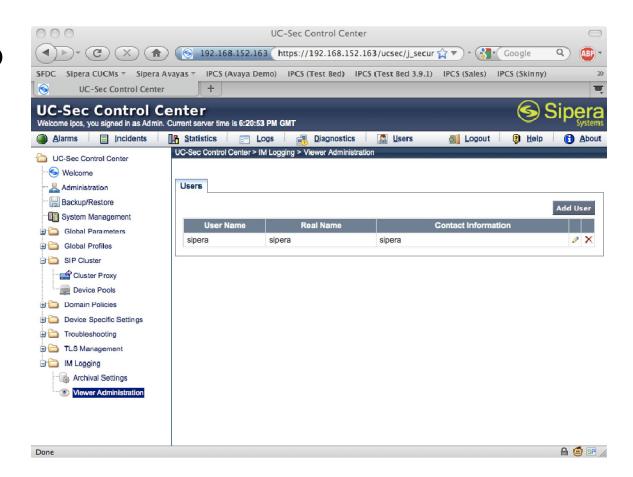
- IMs are transferred from UC-Sec appliances to **EMS**
- EMS then transfers IMs to database





## **Configure IM Log Viewers**

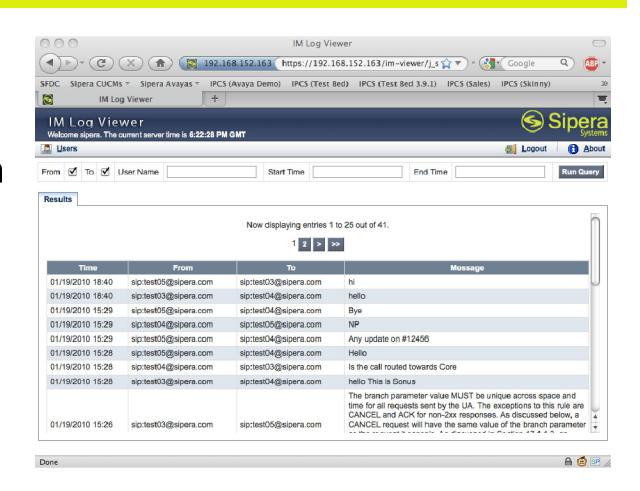
Add users who are allowed to view IMs





## View IM Logs

- Log on to view **IMs**
- Filter based on user and / or time
- More complex reports view database queries





## SIMPLE Example

```
MESSAGE sip:94167601111@192.168.1.36 SIP/2.0
Call-ID: c3eF6f58-363323Cd-8058EB88-10307033@192.168.1.47
Contact: <sip:9057403000@192.168.1.47:5060>
CSeq: 196 MESSAGE
From: <sip:9057403000@192.168.1.47>
To: <sip:94167601111@192.168.1.36>
Via: SIP/2.0/UDP 192.168.1.47:5060; branch=z9hG4bKkdjuw732
Accept: application/sdpMax-Forwards: 70
Content-Type: text/plainContent-Length: 28
This is an Instant Message
```

