

**SIP**foundry

# Taking Control of VoIP in the Data Center OS-03

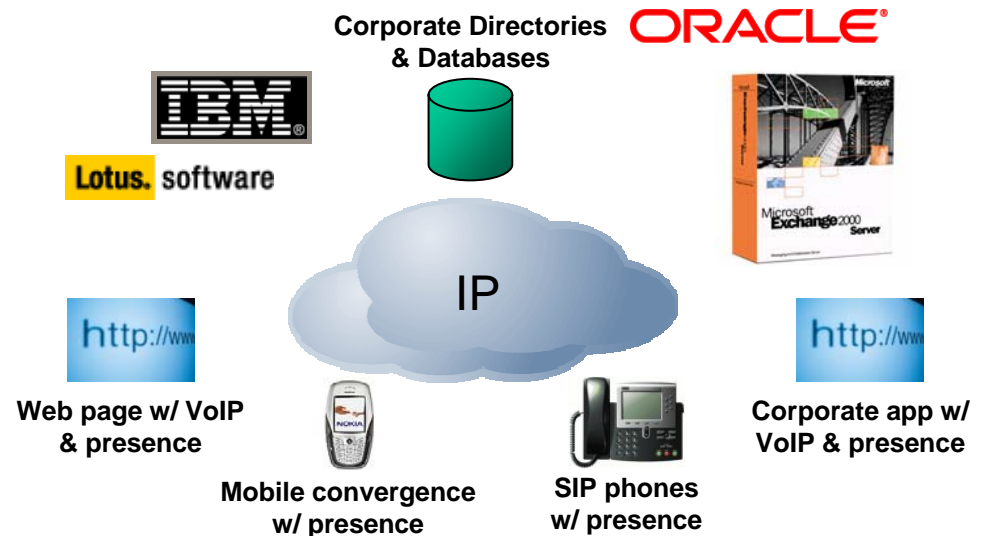
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## VoIP



- Proprietary hardware
- Mostly on the LAN
- Feature islands
- As expensive as TDM

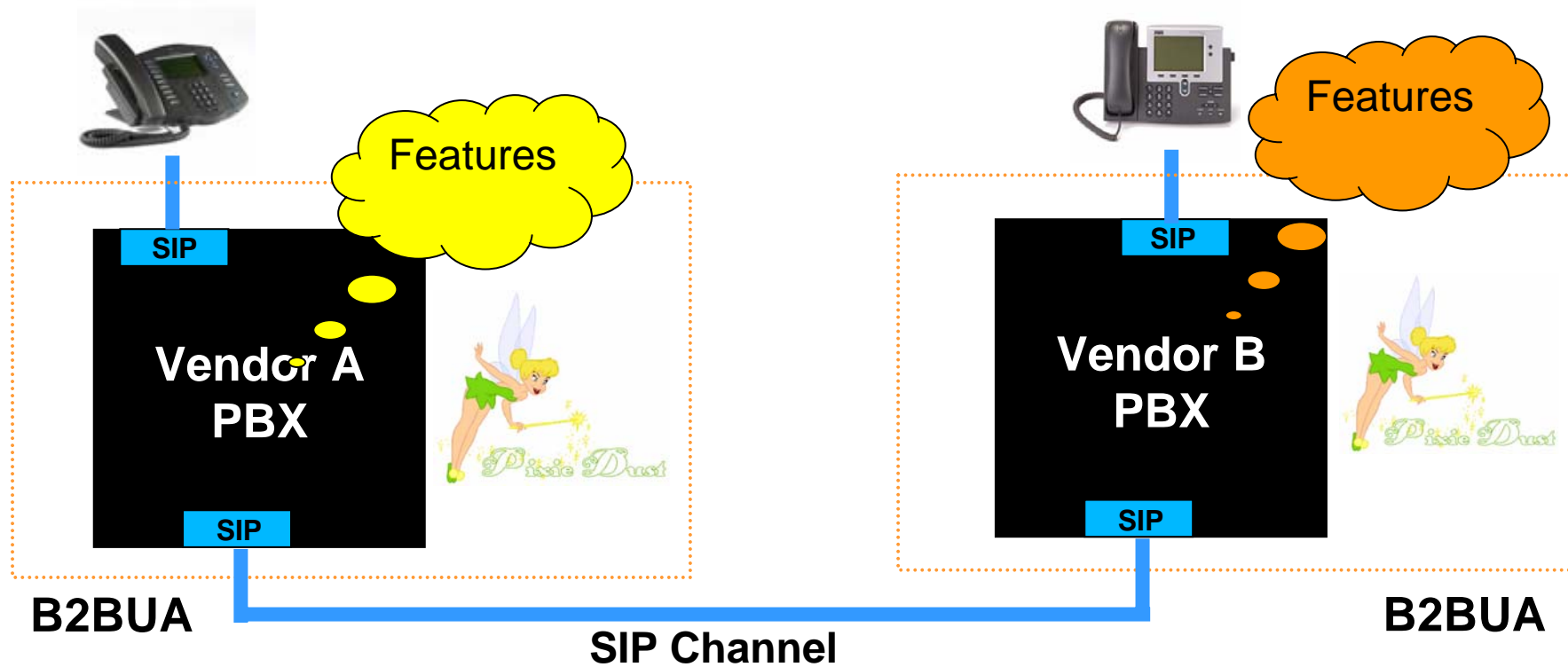
## Email and Web



- SW products on any device
- Voice, video, IM & presence
- Integrated, Internet solution
- Part of the Infrastructure

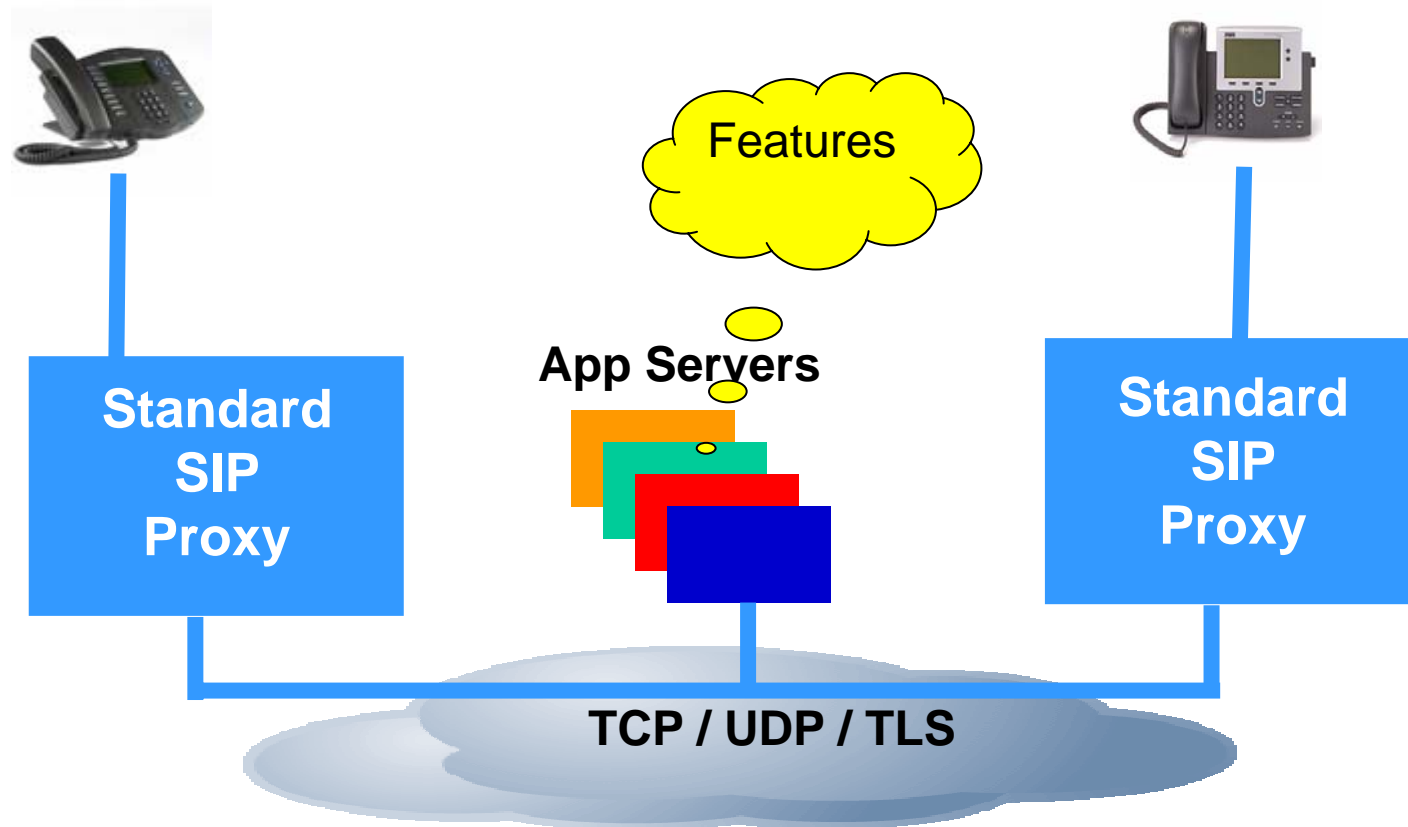
Hard to see from the outside -> SIP goes in, SIP comes out ...

B2BUA: The Phone thinks it talks to a Phone

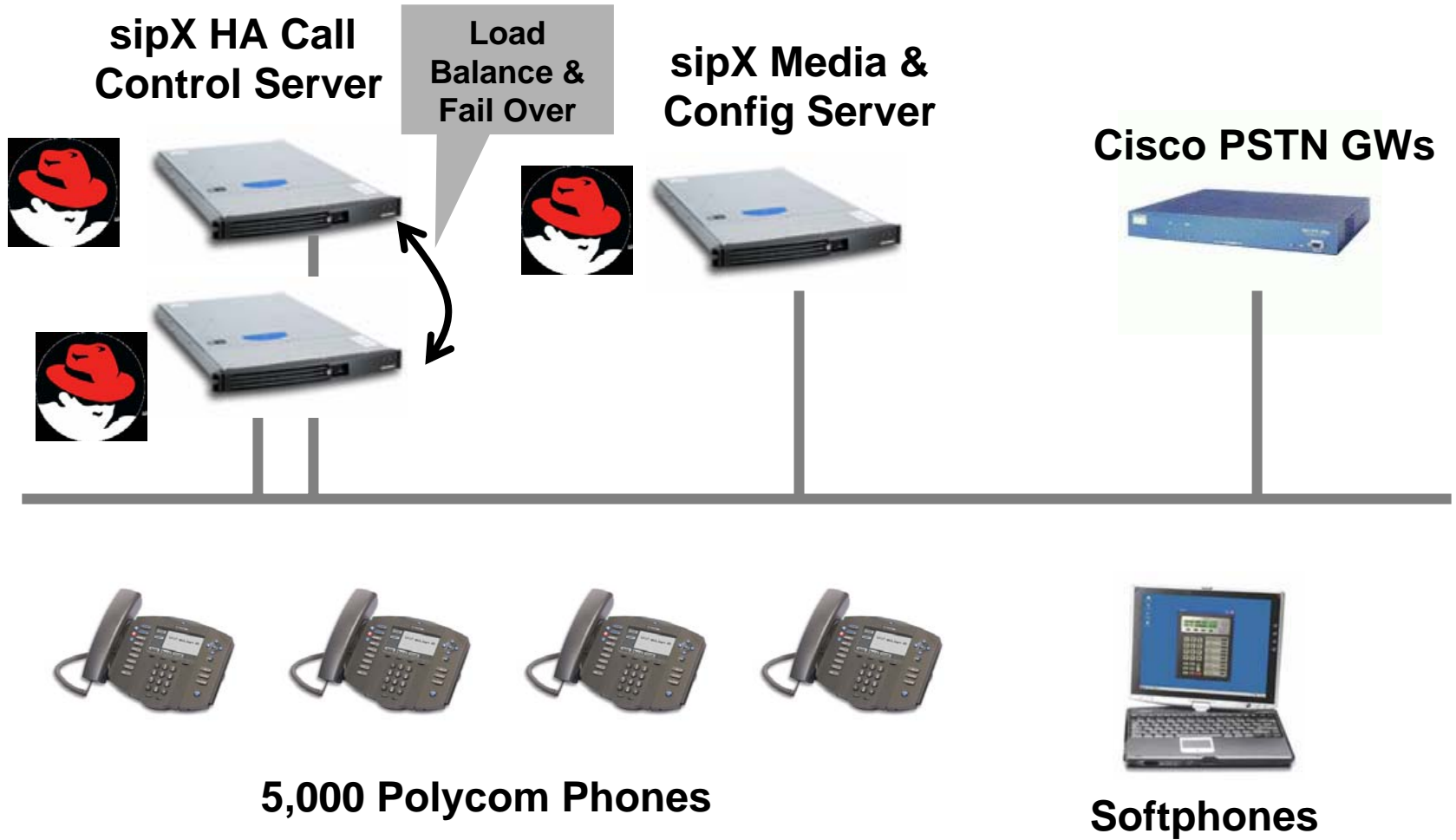


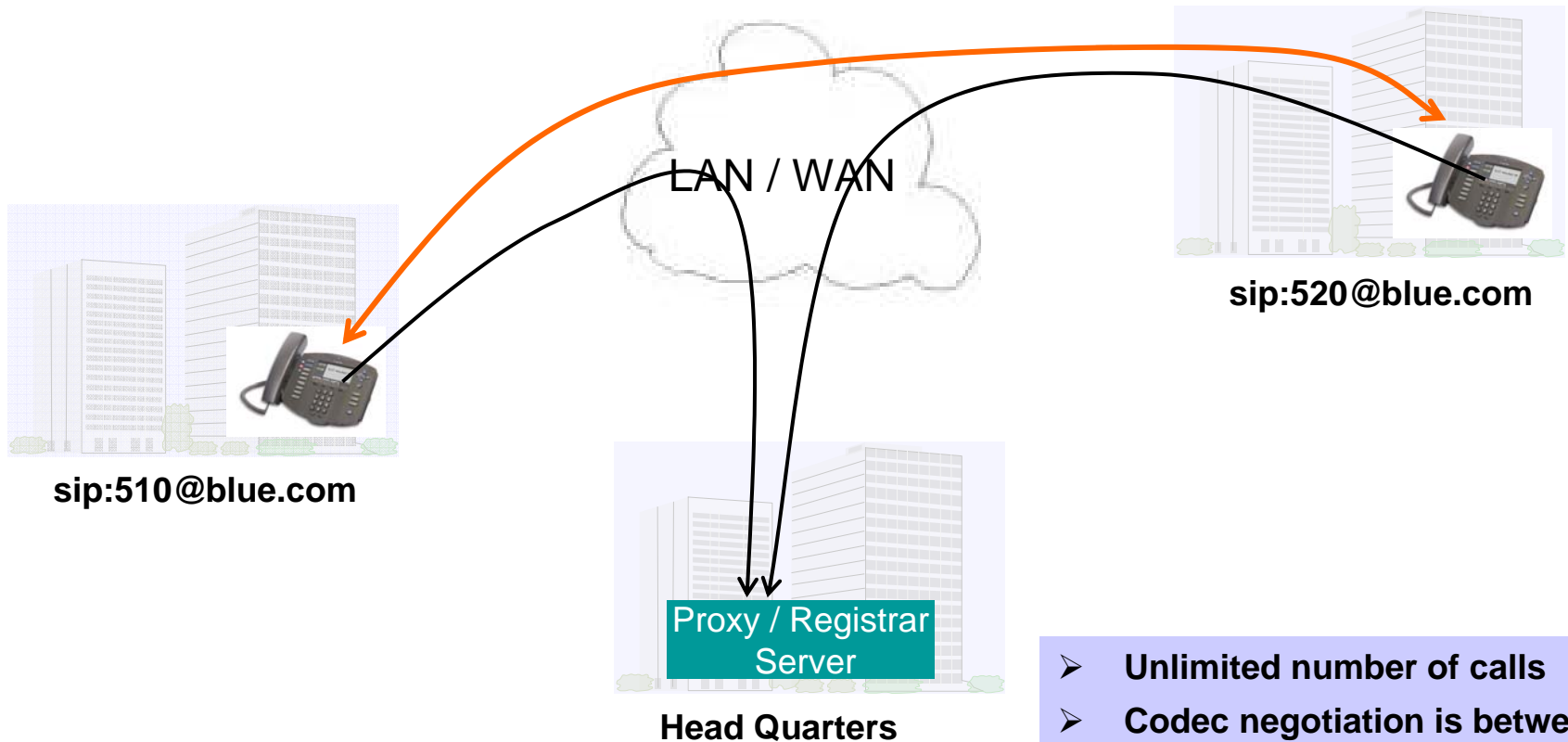
## SIP Proxy: Distributed Application Router

Allows for complex multi-party call flows without Pixie Dust  
..... a real signaling infrastructure



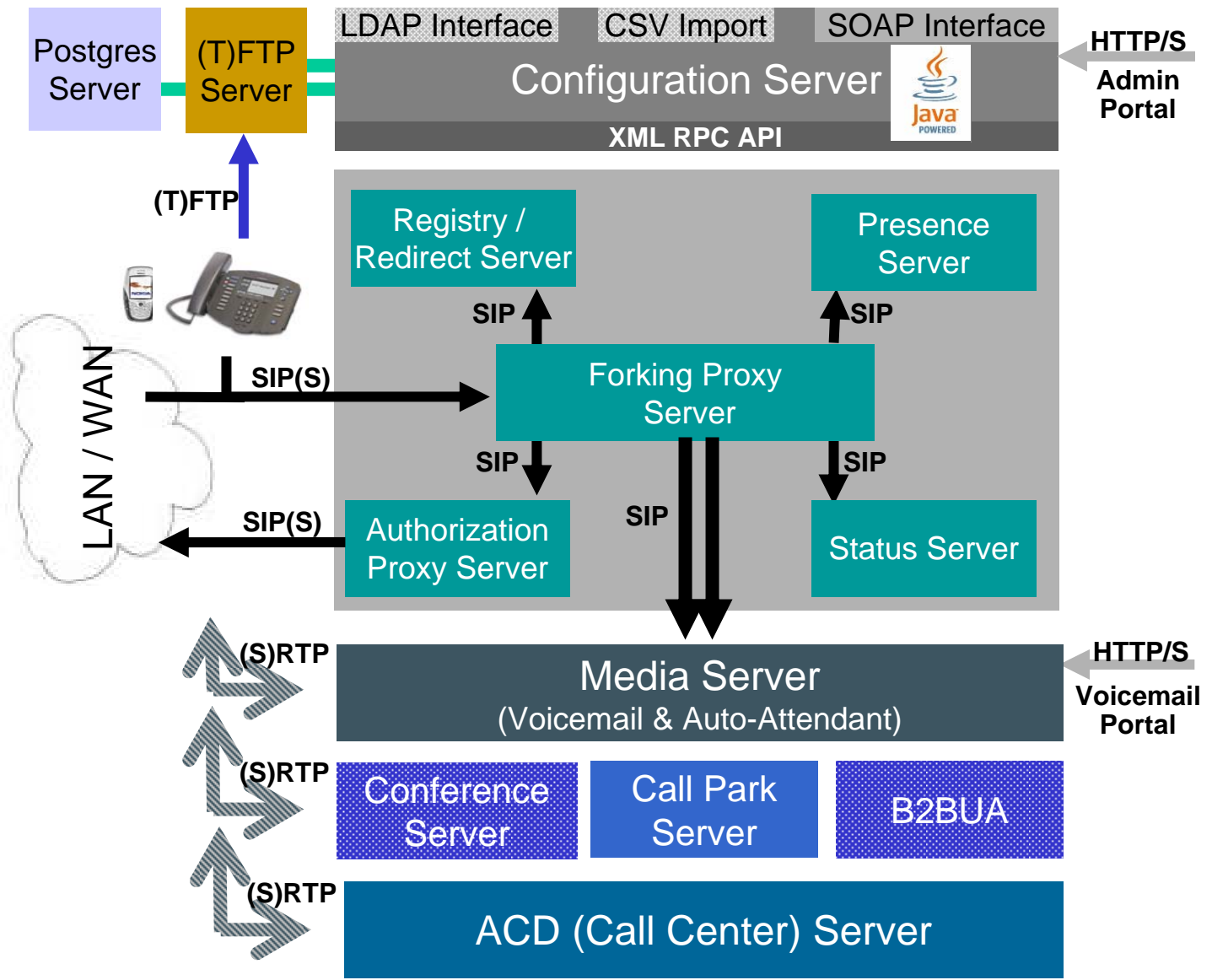
- If we want to get to a distributed and interoperable infrastructure, we have to settle on a SIP systems based on application routing
- We have simply built the better architecture that is in line with the SIP standard
- And it provides better voice quality



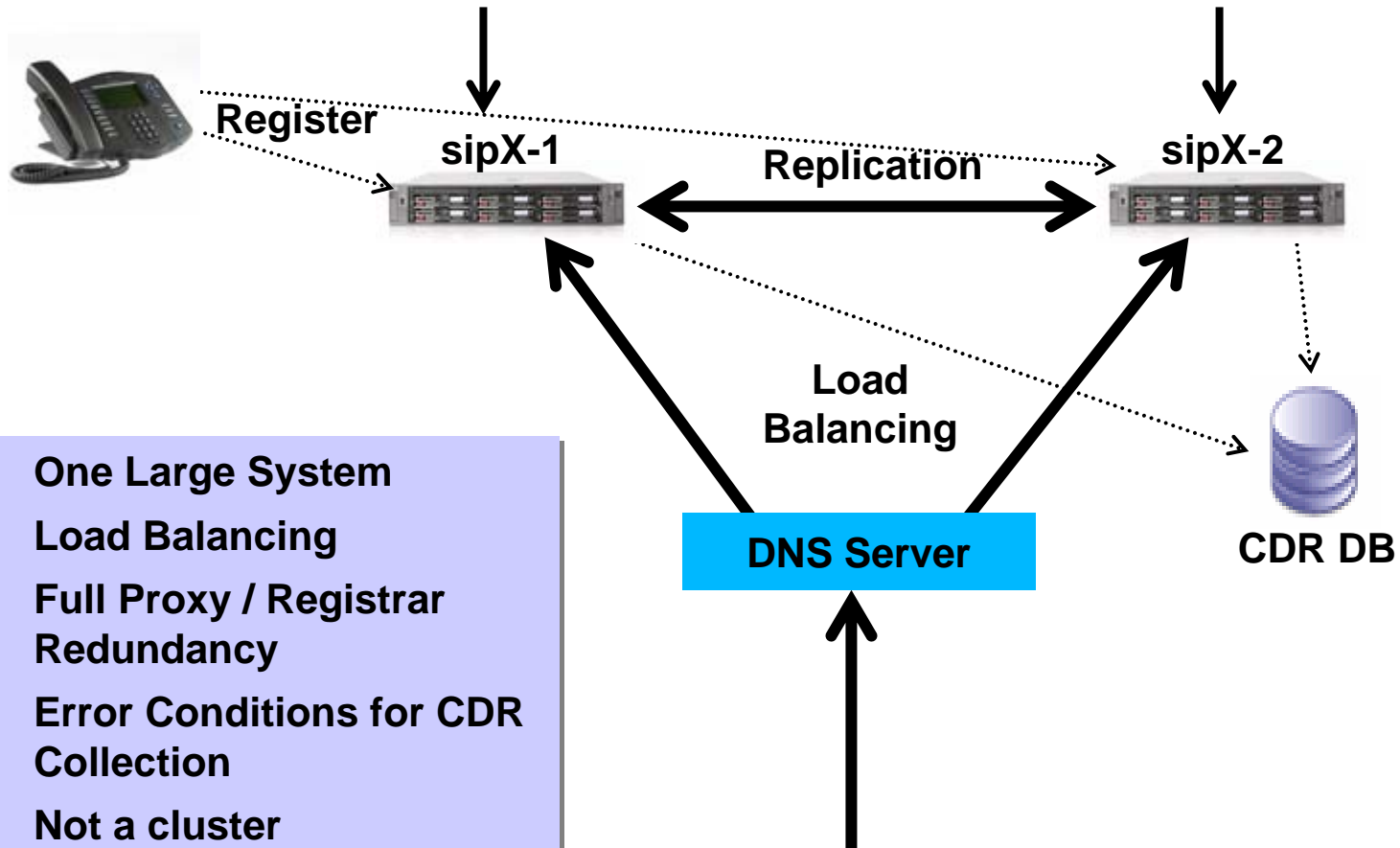
**Better Voice Quality**

→ Registration / SIP Signaling  
↔ Media (RTP) Flow

- Unlimited number of calls
- Codec negotiation is between end points
- Supports all media
- HA fail-over works without disconnecting the call

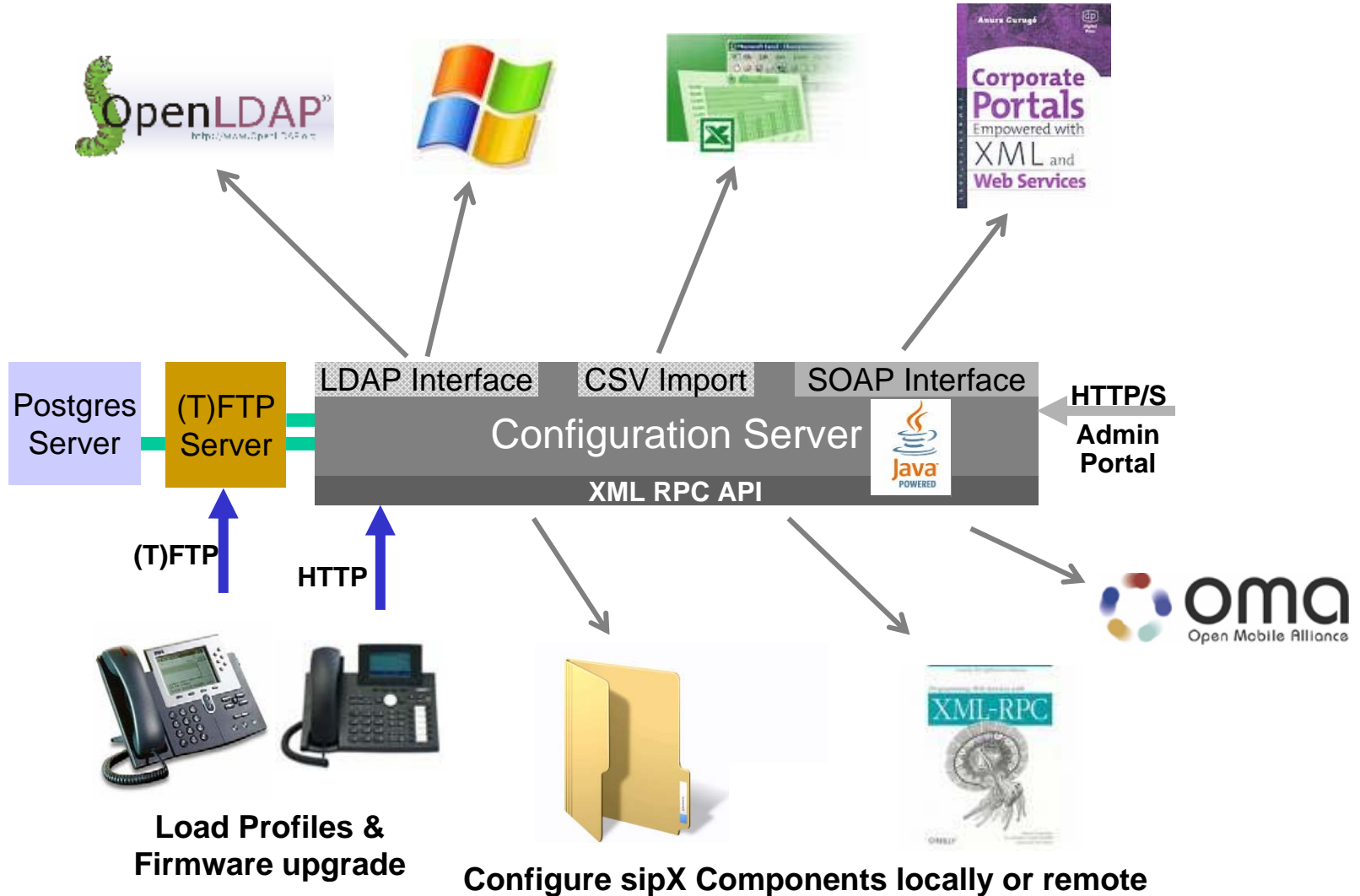


## Configuration Server



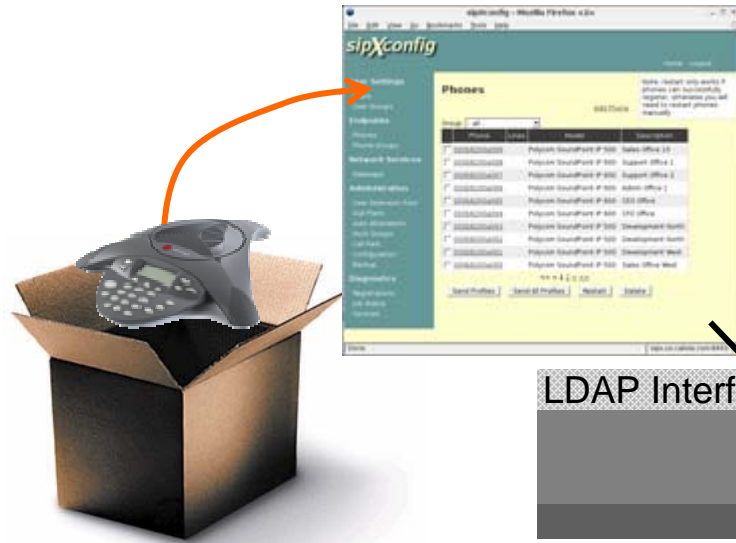
- ✓ One Large System
- ✓ Load Balancing
- ✓ Full Proxy / Registrar Redundancy
- ✓ Error Conditions for CDR Collection
- ✓ Not a cluster



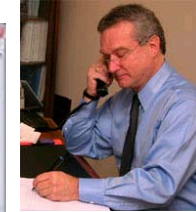


<p>Polycom</p>					
<p>Snom</p>					
<p>Grandstream</p>					
<p>Cisco</p>					

## 1. Enter MAC Address and Choose Phone Model



## 2. Create User




## 3. Assign User to Phone



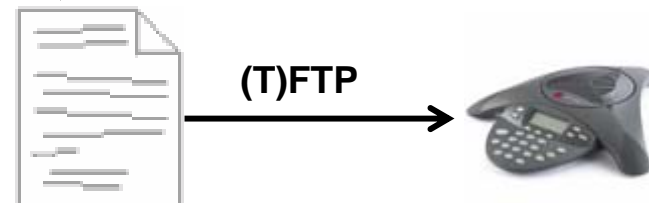
LDAP Interface    CSV Import    SOAP Interface

**Configuration Server**

XML RPC API



## 4. Profile auto-generated w/ correct default parameter



- Centralized plug & play management
- All phone parameters configurable in Config Server
- No need for the phone's config interface
- Default parameters generate working profile
- All phone config stored and backed up centrally

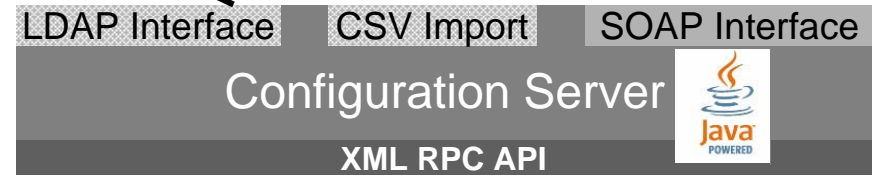
## 1. Enter MAC & IP Address and Choose Gateway Model



## 2. Create Dialing Rule and add Gateway



- First Gateways supported will be Audiocodes & Patton
- Centralized plug & play management
- All gateway parameters configurable in Config Server
- No need for the gateways' config interface
- Default parameters generate working profile
- All gateway config stored and backed up centrally



## 3. Profile auto-generated w/ correct default parameter

