



## ITQAN's Unified Communications Deployment Project with **Microsoft Office Communications Server 2007 R2**

### **Summary:**

This presentation provides brief summary about the Internal Deployment of Microsoft Office Communications Server 2007 in ITQAN, as a Research & Development plan to build the key required skills for the IIS Team to stream line their self for the Unified Communications Solutions, which are offered by Microsoft, along with its integration with other Enterprise Voice Solutions.

### **Solution Designing & Implementation:**

**Zahir Hussain Shah**

Senior Infrastructure Consultant

# Objective

Being a IT Solution Provider Company for Microsoft Solutions, we know that we are good enough with CORE IO & Optimization solutions products, such as Exchange, ADDS, SQL, Dynamics, GreatPlans, MOSS and other System Center Family products, but still we were lacking with Microsoft Unified Communications Solutions, which mainly focus ***Microsoft Office Communications Server 2007***.

So by the time of increasing the demand of OCS 2007 based solutions from our customers, and the fusion of IP-Telephony integration with IP-BPX & Voice Gateways in the industry, the Management of ITQAN decided to have a in-house Microsoft UC Services end-to-end Implementation with Microsoft Office Communications Server 2007 R2, as a full-fledged integrated Unified Communications solutions, which will later provide a reference to ITQAN's Microsoft UC Implementation for customers.

# Plan

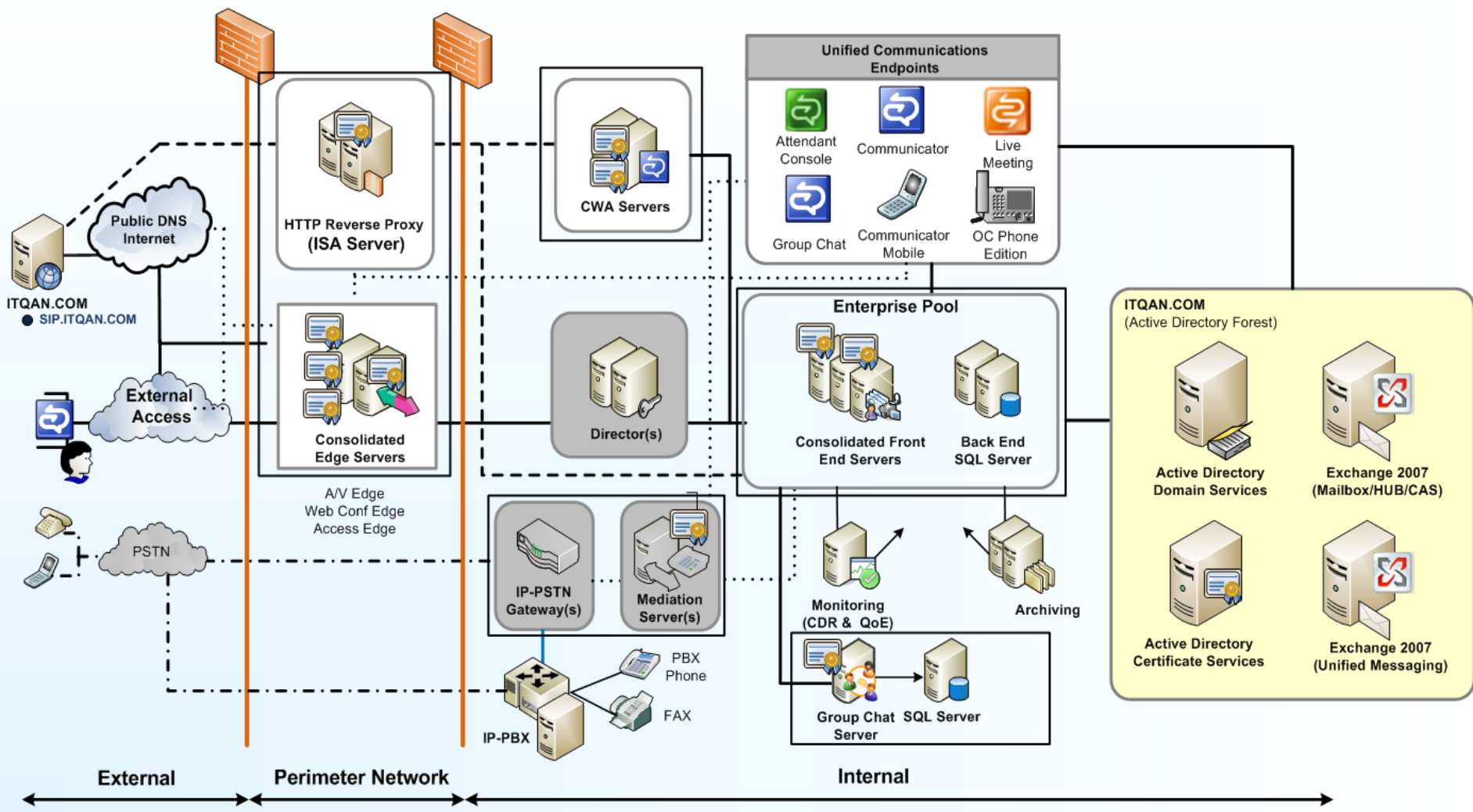
We decided to come up with a plan to divide this mass unified communications deployment in the two phases:

- **Phase I: Installing and Configuring Microsoft Office Communications Server 2007 R2 for Internal Deployment, including:**
  - OCS 2007 R2 - Consolidated Front-End Server
  - OCS 2007 R2 - Archiving Server
  - OCS 2007 R2 - Monitoring Server
  - OCS 2007 R2 - Communicator Web Access Server
  - OCS 2007 R2 – Group Chat Server
  - OCS 2007 R2 – Edge Server (External Access)
  
- **Phase II: Installing and Configuring Microsoft Office Communications Server 2007 R2 for Enterprise Voice (Integrating the IP-Telephony / PBX), including:**
  - OCS 2007 R2 - Mediation Server
  - Integrate CISCO VOICE GATEWAY
  - Integrate IP-PBX
  - Integrate Legacy Voice BPX

**Solution Diagram...**

# ITQAN's Unified Communications Implementation Diagram for OCS 2007 R2

Deployed in-house OCS 2007 R2 Unified Communications Infrastructure



## Technology Used...

Microsoft Windows Server 2008, SP2

Microsoft Active Directory Domain Services

Microsoft Active Directory Certificate Services

Microsoft Office Communications Server 2007 R2, Enterprise Edition

Microsoft Exchange Server 2007, SP2

Microsoft SQL Server 2008, Enterprise Edition

Microsoft ISA Server 2006, Enterprise Edition

Microsoft IIS 7.0

Microsoft PowerShell 2.0

Microsoft File Services

Microsoft Messaging Queue Services

# Implementation Status

Till we have completed the following elements of the intended deployment plan:

- **Phase I: Installing and Configuring Microsoft Office Communications Server 2007 R2 for Internal Deployment, including:**
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# Installed & Tested OCS Clients

- **During this OCS 2007 R2 Deployment, we installed & Configured the following OCS 2007 clients:**
  - ✓ Office Communicator 2007 R2, Client
  - ✓ Office LiveMeeting 2007, Client
  - ✓ Office Communicator WEB ACCESS, Client
  - ✓ Office Communicator 2007 R2 Group Chat , Client
  - ✓ Office Communicator Mobile Edition

# DEMO



## **Microsoft Office Communicator 2007 R2 Client Demo**

- Peer-to-Peer Voice Call Making**
- Peer-to-Peer Video Call Making**



## **Microsoft Office LiveMeeting 2007 Client Demo**

- Invite people for LiveMeeting**
- Sending LiveMeeting Invitation using Office Communicator 2007 R2**
- Sharing Program with LiveMeeting Attendees**

# DEMO



## **Microsoft Office Communicator Group Chat Client Demo**

- Chatting in a Departmental based Chat Room**
- Sharing URL, Files with Chat Room members**

# DEMO



## **Microsoft Office Communicator WEB ACCESS Client Demo**

- IM Presence
- Address Book

# DEMO



## **Microsoft Office Communicator Mobile Client Demo**

- Apple iPhone 3G**
- Windows Mobile**

# DEMO



## **Microsoft Office Communicator Mobile Client Demo**

- Apple iPhone 3G**
- Windows Mobile**

# Q&A

**Zahir Hussain Shah**  
Senior Infrastructure Consultant