

SmileTiger Software Corporation

**SmileTiger TeleMeeting Server 2011
Deployment Guide**

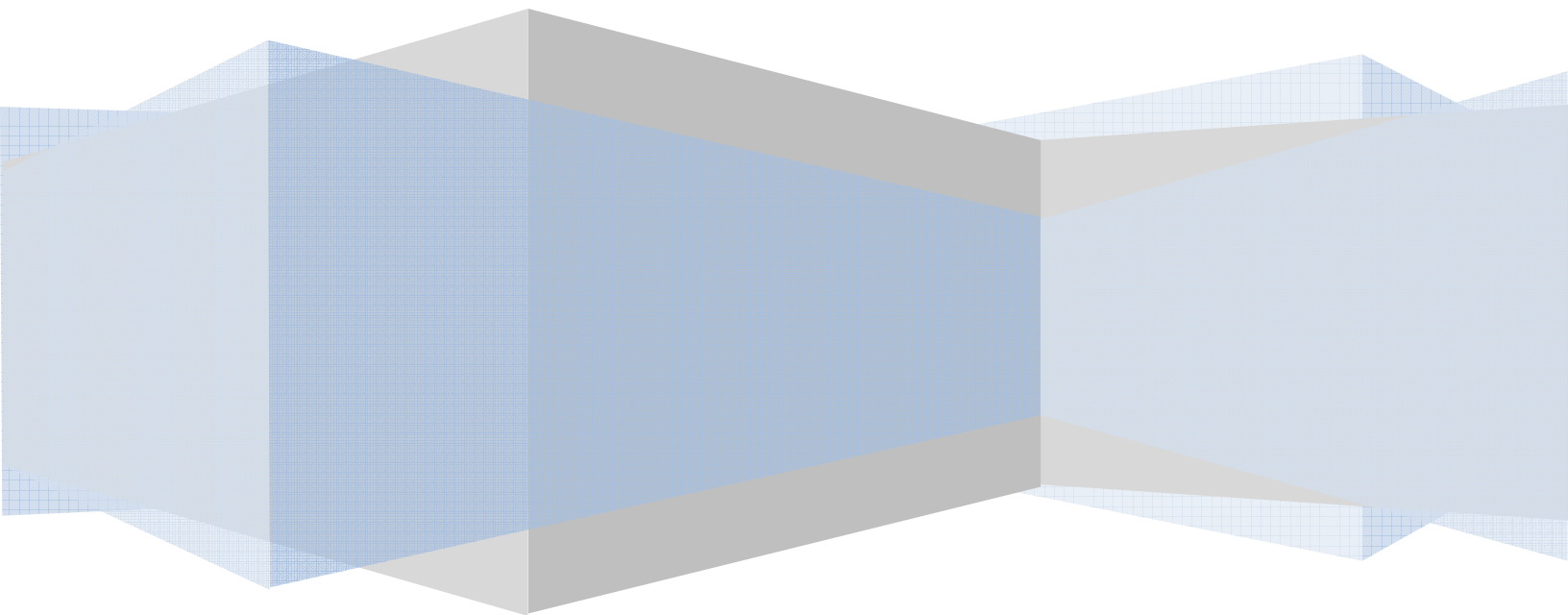


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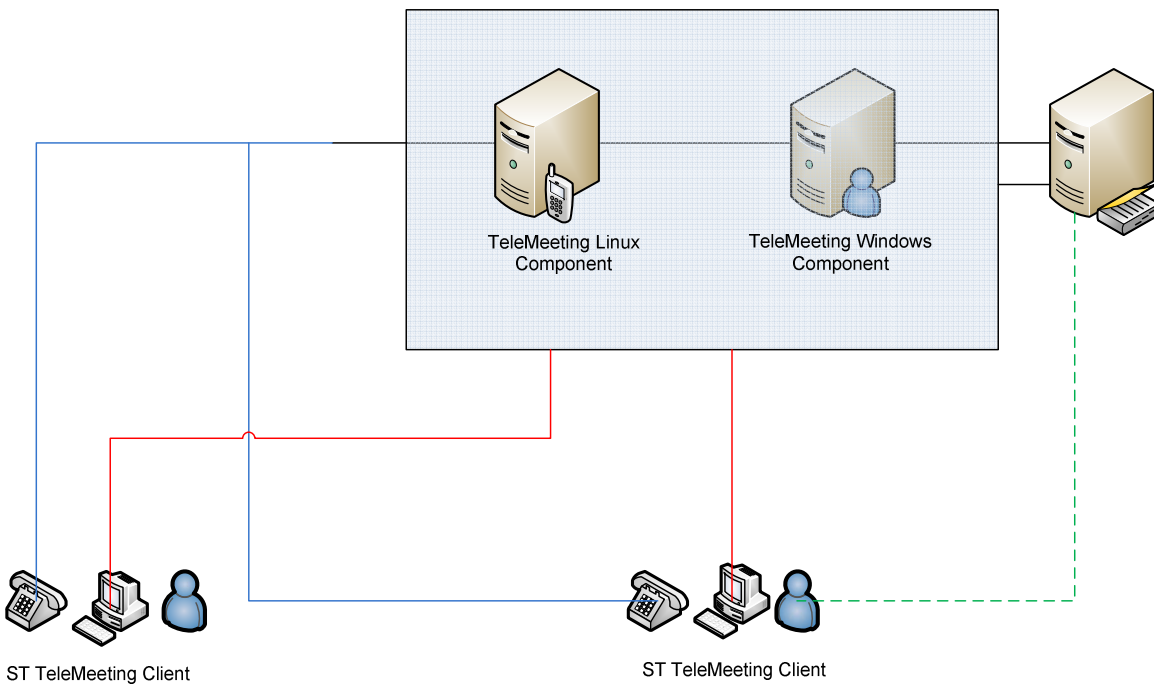
1. Overview

SmileTiger TeleMeeting Server 2011 is the Unified Communication software that brings you the easy-to-use, rich-media telephone calls. All conversation starts with dialing an ordinary phone number that you use every day. It seamlessly integrates data communication, or web conferencing, with ordinary telephone calls to bring the real-time, unified communication to the new level.

2. System Architecture

SmileTiger TeleMeeting Server 2011 includes two components: Linux component and Windows component. Windows component handles the real-time data communication and Linux component interacts works as IP PBX or interact with company's traditional PBX to handle the telephone communication.

On each user computer, SmileTiger TeleMeeting Client is installed to handle all communications.



SmileTiger TeleMeeting Server 2011 System Architecture

3. Pre-requirement:

To completely install the system, you will need the following infrastructure:

1. Windows machine to install Windows component
2. Linux machine to install Linux component. You can use a dedicated Linux machine or Oracle VM Virtualbox on the Windows machine.
3. (Optional) Active Directory. This is for integrating either web conferencing component or IP PBX component.

4. Deployment

The deployment includes two parts: Windows component deployment and Linux component deployment. Each part is done separately, but Windows component needs to be installed before Linux component.

4.1 Windows/Web Conferencing component Deployment

4.1.1 Pre-requirement:

1. Windows environment.
2. Need to use the following ports: 8770, 8776, 8777, 80, 61616,

4.1.2 Installation

Run the auto installation package at

http://www.smiletiger.com/telemeeting/download/SmileTigerTeleMeetingServer2011_WebConferencing.exe.

4.1.3 Configure TeleMeeting Server

Modify the configuration file at Program Files -> SmileTiger TeleMeeting Server 2011 -> smc-config.xml

1. Replace all "184.73.0.0" with the IP address of this windows machine. Please don't use "localhost".
2. Replace IP in <PBX> field with the IP address of your Linux (Virtual) box. If you didn't set up the Linux box yet, make sure you come back to do this step afterwards.
3. The default <useAD> value is 0. This means don't use Active Directory to manage telephone numbers. If you choose to use, set this value to 1, and do the next step.
4. If you choose to use AD to manage users, create a user in AD that has the reading permission. Then set the <ActiveDirectoryUser> and <ActiveDirectoryPassword> values here.
5. TeleMeeting sends email notification for password change and other scenarios. Put your SMTP server information at <SMTP>, <SMTPUSER>, and <SMTPPWD> fields.

```

* C:\Program Files (x86)\SmileTiger TeleMeeting Server 2011\smc-config.xml - Notepad++
File Edit Search View Encoding Language Settings Macro Run Plugins Window ? X
smc-config.xml
1 <?xml version="1.0" encoding="utf-8"?>
2 <config>
3   <Tomcat>
4     <port>8080</port>
5   </Tomcat>
6   <ActiveMQServer>184.73.0.0:61616</ActiveMQServer>
7   <eMeetingServer>184.73.0.0:8770</eMeetingServer>
8   <AdministratorUserName>admin</AdministratorUserName>
9   <AdministratorPassword>admin</AdministratorPassword>
10  <stm-database>
11    <IP>localhost</IP>
12    <port>8776</port>
13    <database-name>stems</database-name>
14    <account>stmcp</account>
15    <password>pass</password>
16  </stm-database>
17  <UMC>
18    <ActiveDirectoryUser>Administrator</ActiveDirectoryUser>
19    <ActiveDirectoryPassword>Ready2go</ActiveDirectoryPassword>
20    <useAD>0</useAD>
21    <UseADForTeleconference>1</UseADForTeleconference>
22    <GUCSAccount>umc1</GUCSAccount>
23    <GUCSPassword>password1</GUCSPassword>
24    <GUCSAMQServer>184.73.0.0:61616</GUCSAMQServer>
25    <GUCSTopic>GUCS</GUCSTopic>
26    <GUCSMeetingServer>184.73.0.0:8770</GUCSMeetingServer>
27    <UMCTopic>UMC</UMCTopic>
28    <LogFile>UMCLOG.log</LogFile>
29    <UserDB>MySQL</UserDB>
30    <MySQLSVR>184.73.0.0</MySQLSVR>
31    <MySQLSVRPORT>8776</MySQLSVRPORT>
32    <SMTP>smtp.yourcompany.com</SMTP>
33    <SMTPUSER>someone@yourcompany.com</SMTPUSER>
34    <SMTPPWD>email password</SMTPPWD>
35    <PBX>the IP PBX IP address</PBX>
36  </UMC>
37  <MMC>
38    <homepage>www.smiletiger.com</homepage>
39    <meetingType>MCONFERENCEING</meetingType>
40  </MMC>
41 </config>
42
length: 1407 lines: 42 Ln: 42 Col: 1 Sel: 0 Dos\Windows ANSI as UTF-8 INS

```

Windows/Web Conferencing Component Configuration File

4.1.4 Start TeleMeeting Server

Go to Windows Start ->All Programs -> SmileTiger TeleMeeting Server 2011 -> Start TeleMeeting Server (Run as Administrator)

4.1.5 Stop TeleMeeting Server

Go to Windows Start ->All Programs -> SmileTiger TeleMeeting Server 2011 -> Stop TeleMeeting Server

4.1.6 Client Access Website

Release the following website address to your clients for client downloading and document.

<http://<your windows address>/index.html>

After they download the client, they can either sign up an account, or if you have Active Directory integration, they can directly sign in with their windows user name and password.

4.2 Linux/PBX Component Deployment

4.2.1 Pre-requirement:

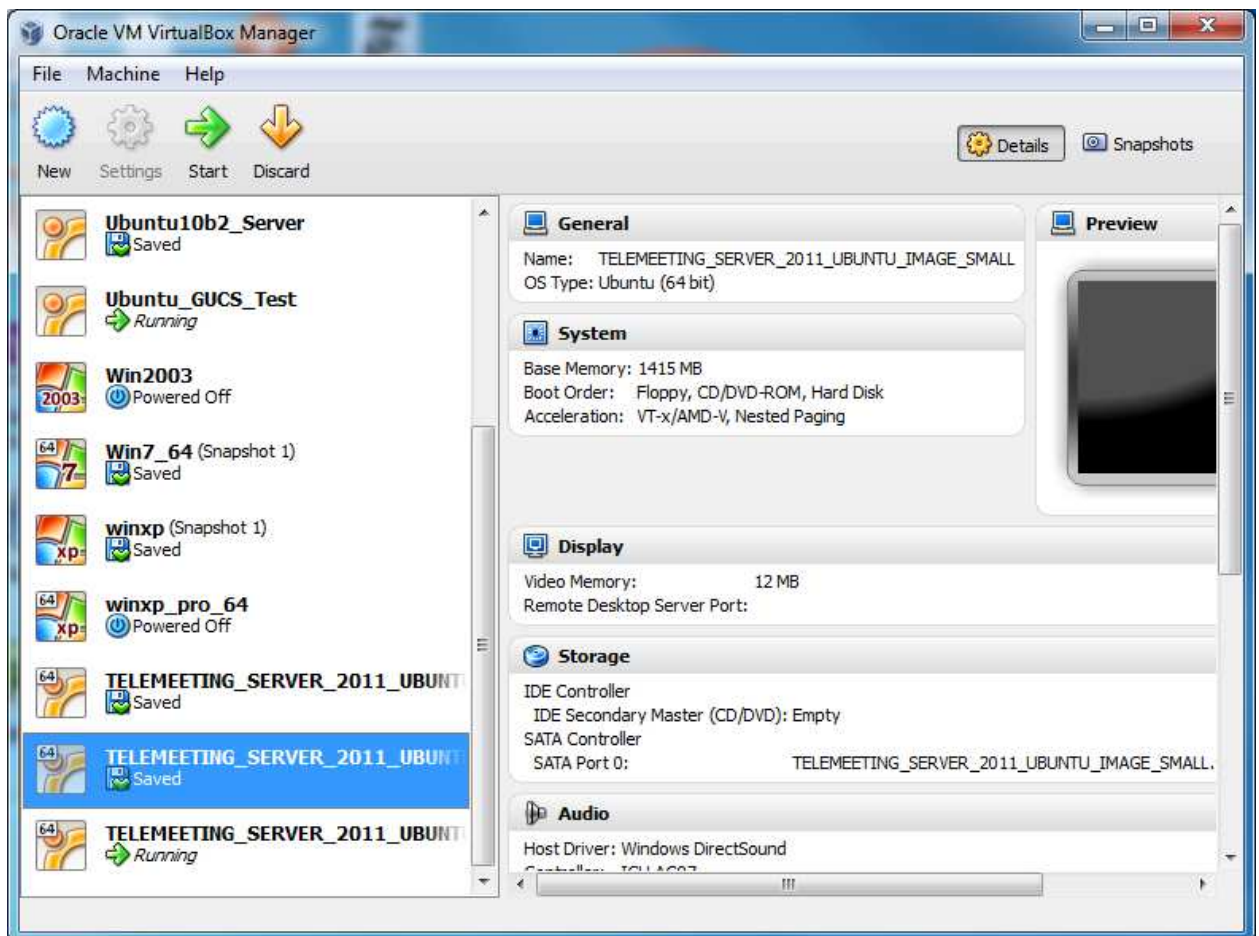
1. Install TeleMeeting Windows component first.
2. This Linux/PBX component is delivered as Oracle VirtualBox image. Install Oracle VM VirtualBox first.
3. If you need to install the PBX to other Linux system, please contact the support.
4. If you need to install the PBX on clouds, please contact the support. We have Amazon clouds image for this.

4.2.2 Installation

1. Download Linux/PBX component and save it to a Windows machine with Oracle VM VirtualBox installed.

<http://www.smiletiger.com/telemeeting/download/SmileTigerTeleMeetingVboximage.ova>

2. Go to Oracle VM VirtualBox Manager -> File -> Import Appliance .. to import SmileTigerTeleMeetingVboximage.ova



3. Login to the virtual box using the following information:

user name: telemeeting

password: pass2day

4. After login,

- a. Because a super user:

```
sudo bash
```

```
password is "pass2day"
```

- b. Stop the default server if it runs:

```
service telemeeting stop
```

5. Modify configuration files

- a. Modify /etc/asterisk/res_config_mysql.conf

Replace data in <dbhost> field with the IP address of TeleMeeting Windows component.

- b. Modify /etc/asterisk/SmileTiger_Asterisk.xml

Replace data in <ActiveMQServer> field with the IP address of TeleMeeting Windows component.

6. Configure static IP for Linux VM

In order for the Windows component to communicate with Linux component, you need to configure the Linux VM with a static IP. The following operations need to be done using root permission.

- i. Go to file: /etc/network/interfaces, make changes following the below example. Change the highlighted part to your own values.

```
# The primary network interface
auto eth0
# iface eth0 inet dhcp
iface eth0 inet static
address 192.168.0.10
netmask 255.255.255.0
gateway 192.168.0.1
```

- ii. Run the following command

```
/etc/init.d/networking
```

4.2.3 Start Linux Component

Before starting Linux component, make sure the Windows component is started and running. If you just configured the static IP address of this Linux VM, make sure to go back to Windows component configuration file at "C:\Program Files\SmileTiger TeleMeeting Server 2011\smc-config.xml" to change the <PBXServer> field with this Linux component IP address.

The following operations need to be done using root permission

```
service telemeeting start
```

Make sure you see two processes running after the start.

```
ps -ef | grep asterisk
```

```
ps -ef | grep telemeetingMQ
```

4.2.4 Stop Linux Component

The following operations need to be done using root permission.

```
service telemeeting stop
```