



# Intel® Smart Connect Technology Remote Wake with WakeMyPC

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CDI/IBP #: 514349

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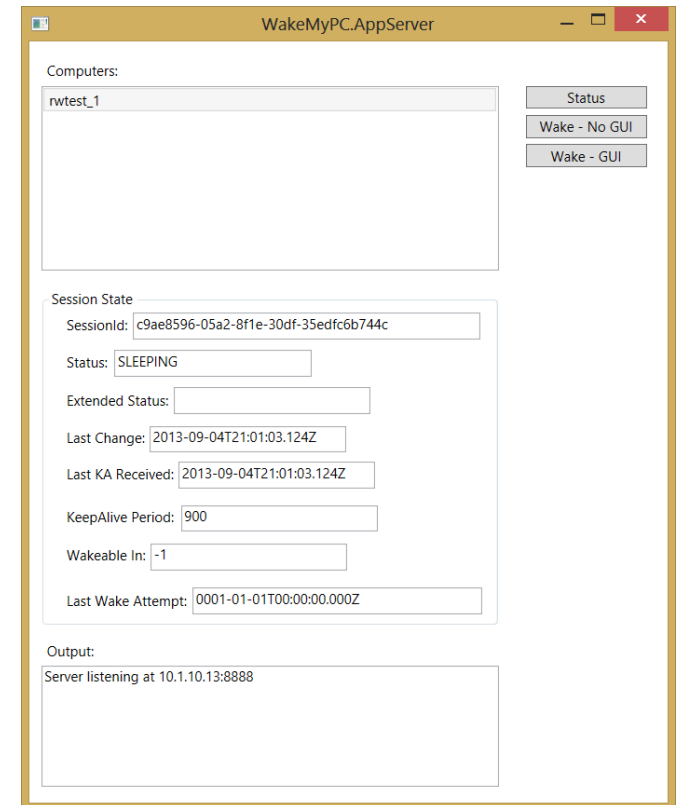
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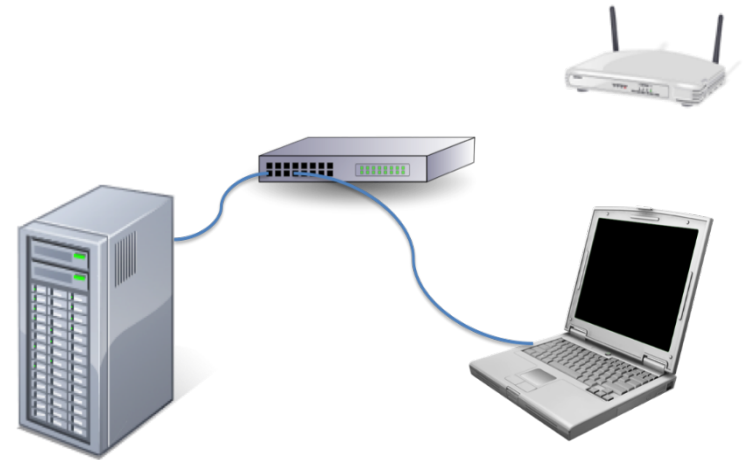
# What is WakeMyPC?

- WakeMyPC is a client/server application for testing Remote Wake platform enablement
- It's free to use for anyone
- Development is ongoing
- Server application supports multiple Client platforms



# WakeMyPC Requirements

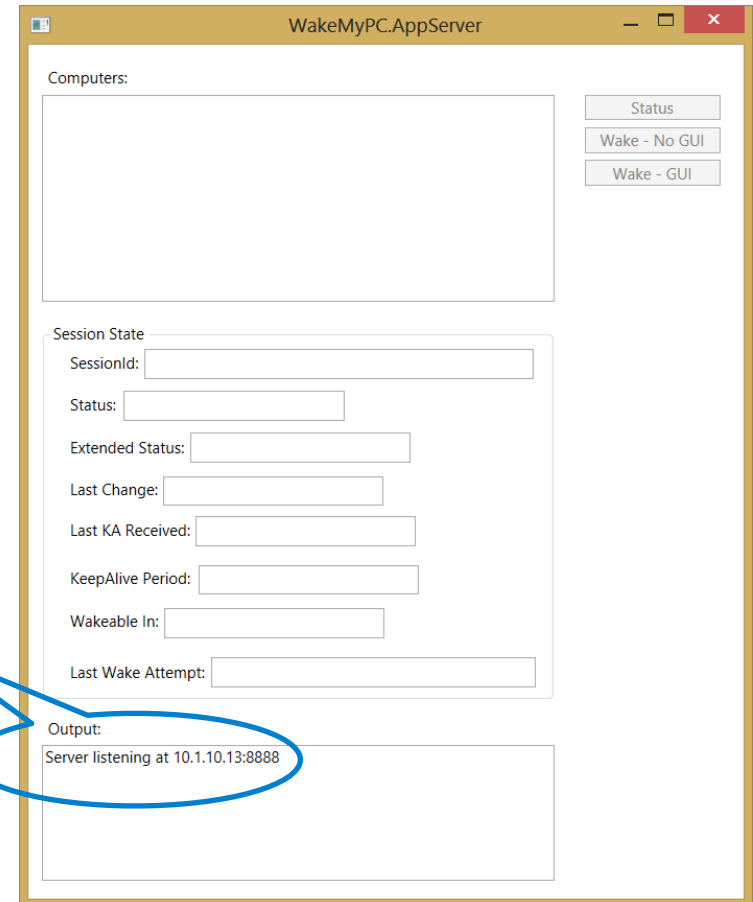
- Two platforms:
  - Server: Windows\* 7 SP/Windows\* 8/ Windows\* 8.1 platform (LAN or WLAN)
  - Remote Wake Client: Windows\* 8/ Windows\* 8.1 platform with Remote Wake Enabled LAN and or WLAN
  - Windows\* Firewall disabled on both platforms
  - Internet Connection with no proxy server(s)



# WakeMyPC Server

On the server platform:

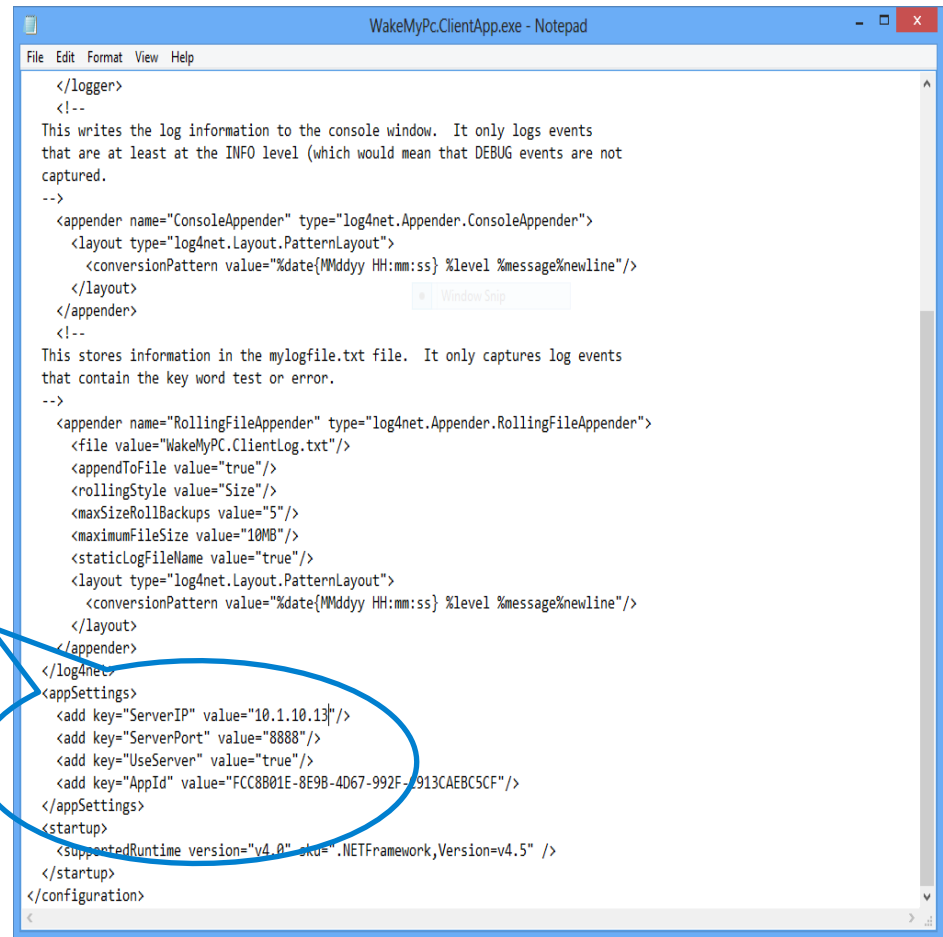
- Change directory to the WakeMyPC.Appserver
- Invoke the application WakeMyPC.AppServer.exe
- Application will print in the *Output* text box the IP address being used (this address as it will be required for the WakeMyPC Client application)



# WakeMyPC Client

## On the Remote Wake Client Platform:

- Change directory to the WakeMyPC.ClientApp
- Edit the file: WakeMyPc.ClientApp.exe.config
- At the bottom of the file in the “<appSettings>” section, change the value of the “ServerIP” to match the IP Address displayed in the in the server application
- Save the file

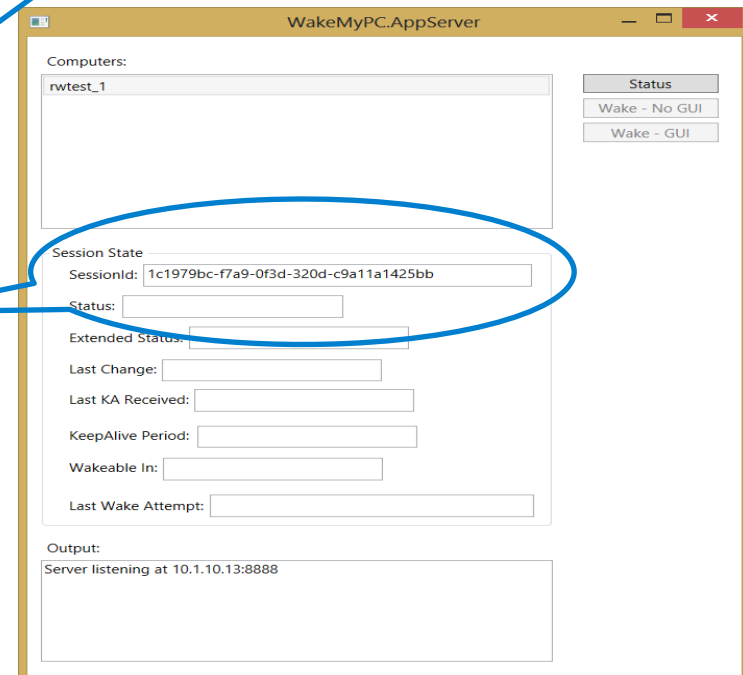
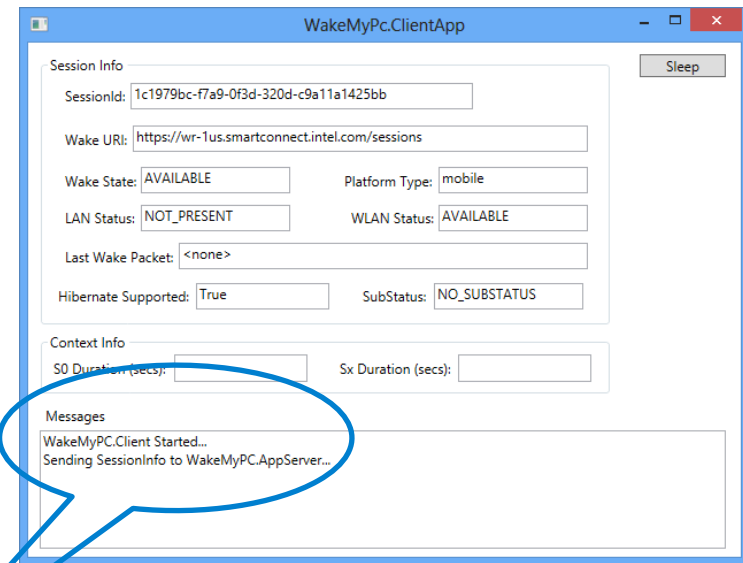


```
WakeMyPc.ClientApp.exe - Notepad
File Edit Format View Help
</logger>
<!--
This writes the log information to the console window. It only logs events
that are at least at the INFO level (which would mean that DEBUG events are not
captured.
-->
<appender name="ConsoleAppender" type="log4net.Appender.ConsoleAppender">
  <layout type="log4net.Layout.PatternLayout">
    <conversionPattern value="%date{MMddyy HH:mm:ss} %level %message%newline"/>
  </layout>
</appender>
<!--
This stores information in the mylogfile.txt file. It only captures log events
that contain the key word test or error.
-->
<appender name="RollingFileAppender" type="log4net.Appender.RollingFileAppender">
  <file value="WakeMyPC.ClientLog.txt"/>
  <appendToFile value="true"/>
  <rollingStyle value="Size"/>
  <maxSizeRollBackups value="5"/>
  <maximumFileSize value="10MB"/>
  <staticLogFileName value="true"/>
  <layout type="log4net.Layout.PatternLayout">
    <conversionPattern value="%date{MMddyy HH:mm:ss} %level %message%newline"/>
  </layout>
</appender>
</log4net>
<appSettings>
  <add key="ServerIP" value="10.1.10.13"/>
  <add key="ServerPort" value="8888"/>
  <add key="UseServer" value="true"/>
  <add key="AppId" value="FCC8B01E-8E9B-4D67-992F-913CAEBC5CF"/>
</appSettings>
<startup>
  <supportedRuntime version="v4.0" sku=".NETFramework,Version=v4.5" />
</startup>
</configuration>
```

# WakeMyPC Client

## On the Remote Wake Client Platform:

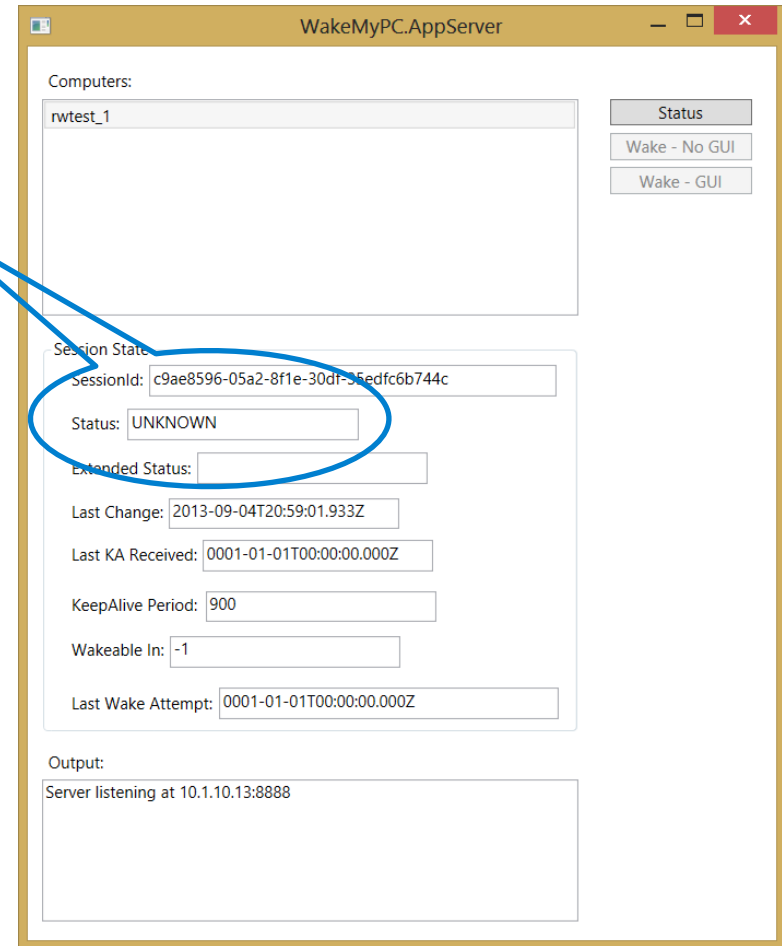
- Change directory to the WakeMyPC.ClientApp
- Invoke the file: WakeMyPC.ClientApp.exe
- Upon invocation, the application will display the current session information and send this to the WakeMyPC.AppServer.
- When the WakeMyPC.AppServer receives the session information, it will display the computer name, SessionId and enable the "Status" button



# WakeMyPC Server

## On the Server Platform:

- Click the "Status" button and verify in the Session State information that the Client platform status is "UNKNOWN". This state indicates that the Client platform is not in the sleeping state

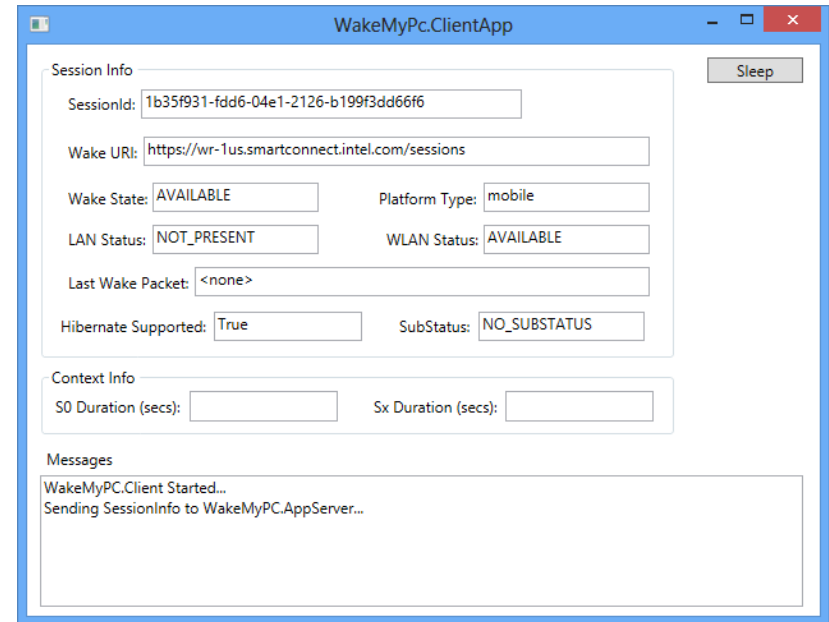




# WakeMyPC Client

## On the Remote Wake Client Platform:

- Click the "Sleep" button to place the platform into S3 sleep state



# WakeMyPC Server

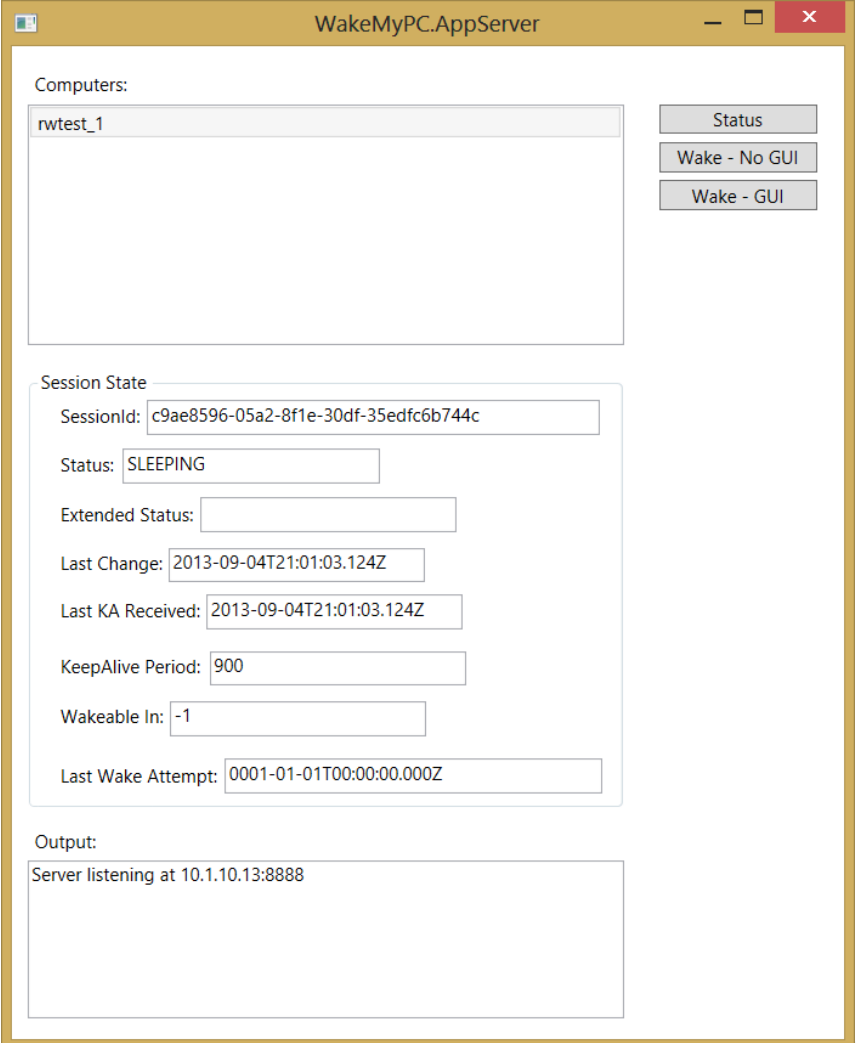
## On the Server Platform:

- Once the Client platform is in the sleep state for several minutes click the "Status" button to check the Status of the Client platform. When the Status field of the Session State reports "SLEEPING" and the field "Wakeable In" has a value of "-1" the two buttons under the Status button will be enabled to wake the platform.

### Note:

It may take a few minutes for the Client platform and the Intel Wake Server to synchronize the platforms sleep state

If the field "Wakeable In" has a value of greater than "0", this indicates that the platform is not wakeable for that value. Click the "Status" button after waiting the time shown in the field.

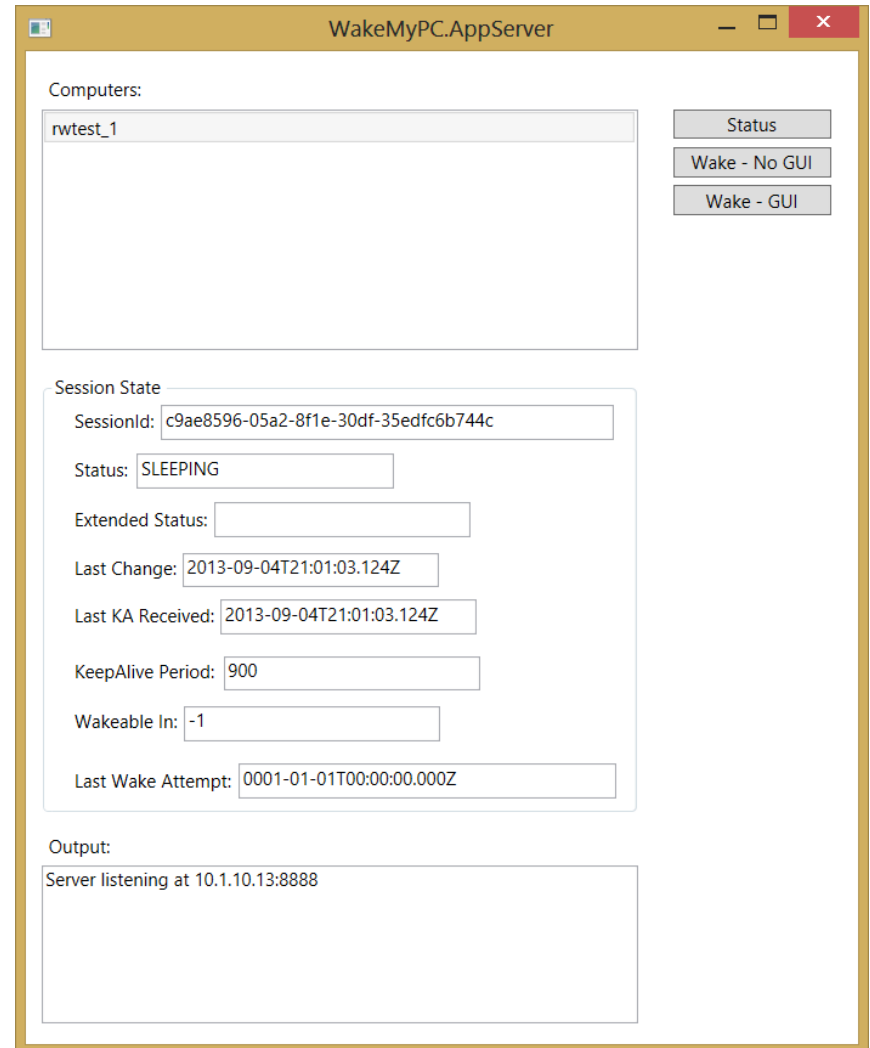


The screenshot shows the 'WakeMyPC.AppServer' application window. It features a 'Computers' section with a list containing 'rwtest\_1'. To the right of this list are three buttons: 'Status', 'Wake - No GUI', and 'Wake - GUI'. Below the computers list is the 'Session State' section, which contains several fields: 'SessionId' (c9ae8596-05a2-8f1e-30df-35edfc6b744c), 'Status' (SLEEPING), 'Extended Status' (empty), 'Last Change' (2013-09-04T21:01:03.124Z), 'Last KA Received' (2013-09-04T21:01:03.124Z), 'KeepAlive Period' (900), 'Wakeable In' (-1), and 'Last Wake Attempt' (0001-01-01T00:00:00.000Z). At the bottom is an 'Output' section with a text area containing 'Server listening at 10.1.10.13:8888'.

# WakeMyPC Server

## On the Server Platform:

- Two wake requests are now available:
  - Click the “Wake - No GUI” button to send a wake request to the Client platform to have it wake and keep the display off and audio muted and after a few minutes go back to S3. You will see a new SessionId displayed after several seconds from when the platform resumes to S3
  - Click the “Wake - GUI” button to send a wake request to the Client platform to have it wake and turn on the display and audio un-muted. When the wake occurs, verify that the Audio is not muted.



# WakeMyPC Server

## On the Server Platform:

- Two wake requests are now available:
  - Click the “Wake - No GUI” button to send a wake request to the Client platform to have it wake and keep the display off and audio muted and after a few minutes go back to S3. You will see a new SessionId displayed after several seconds from when the platform resumes to S3
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