Microsoft Windows 8.1 NTP Setup and Report

This presentation shows configuring Windows 8.1 to use one of the NTP pool servers and generate a settings report.

Preuss
3/24/2015

Windows_8_1_x64_02 - VMware Player (Non-commercial use only)

Player

Recycle Bin

The presentation starts Windows 8.1.

3:22 PM
3/24/2015

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Player

Recycle Bin

The presentation selects Adjust date/time option.

The presentation right clicks on the time in the Windows system tray.

Toolbars

Adjust date/time

Customize notification icons

Cascade windows

Show windows stacked

Properties

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Date and Time

Date and Time | Additional Clocks | Internet Time

The presentation selects Internet time tab.

Date:

4, 2015

Change date and time...

Change time zone...

Daylight Saving Time ends on Sunday, November 1, 2015 at 2:00 AM. The clock is set to go back 1 hour at that time.

Notify me when the clock changes

OK | Cancel | Apply

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Date and Time

Date and Time | Additional Clocks | Internet Time

This computer is set to automatically synchronize with 'time.windows.com'.

This computer is set to automatically synchronize on a scheduled basis.

Change settings...

Apply

The presentation selects Change settings option.

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3/24/2015

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Date and Time

Internet Time Settings

Configure Internet time settings:

Synchronize with an Internet time server

Server: 0.us.pool.ntp.org

Update now

The clock was successfully synchronized with 0.us.pool.ntp.org on 3/24/2015 at 3:23 PM.

OK Cancel

OK Cancel Apply

The presentation changes the time server address to a ntp pool server address.

The presentation selects update now to test the new server setting. The presentation receives a successful synchronization.

3:23 PM
3/24/2015

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Player

Recycle Bin

ntp_config.bat - Notepad

File Edit Format View Help

```
REM This batch file will check the time service status of a Windows system
REM This is tested on Windows 8.1
REM http://superuser.com/questions/425233/how-can-i-check-a-systems-current-ntp-configuration
REM Preuss 3/24/2015

REM This is a report of the operating system version
echo 'This is the operating system version' >> ntp_rpt01.txt
ver >> ntp_rpt01.txt

REM This is a report of all the logons for this system
echo 'This is a list of all local logons.'  >> ntp_rpt01.txt
net user >> ntp_rpt01.txt

REM This will report the current system
echo 'This is the current system/domain name.'  >> ntp_rpt01.txt
echo %USERDOMAIN% >> ntp_rpt01.txt

REM This will report the time configuration, this is unnecessary at this time.
REM w32tm /query /configuration >> ntp_rpt01.txt

REM This will report stratum, last sync, NTP server, and other information
echo 'This will report stratum, last sync, NTP server, and other information.' >> ntp_rpt01.txt
w32tm /query /status >> ntp_rpt01.txt

REM This reports the current date and time
echo 'This reports the current date and time.' >> ntp_rpt01.txt
date /T >> ntp_rpt01.txt
time /T >> ntp_rpt01.txt

echo 'This is a copy of the batch file.'  >> ntp_rpt01.txt
type ntp_config.bat  >> ntp_rpt01.txt

REM This will put the final report into notepad for our viewing pleasure.
notepad ntp_rpt01.txt
```

The presentation creates a batch file to generate a report about the ntp server configuration.

3:29 PM
3/24/2015

Windows_8_1_x64_02 - VMware Player (Non-commercial use only)

Player

Recycle Bin

ntp_rpt01.txt - Notepad

File Edit Format View Help

```
Microsoft Windows [Version 6.3.9600]
'This is a list of all local logons.'

User accounts for \\WIN_8_1_X64_02

-------------------------------------------------------------------------------
Administrator            Guest                    Tim
The command completed successfully.

'This is the current system/domain name.'
WIN_8_1_X64_02
'This will report stratum, last sync, NTP server, and other information.'
Leap Indicator: 0(no warning)Stratum: 3 (secondary reference - syncd by (S)NTP)Precision: -6 (15.625ms per
Tue 03/24/2015
03:29 PM
'This is a copy of the batch file.'
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echo %USERDOMAIN% >> ntp_rpt01.txt

REM This will report the time configuration, this is unnecessary at this time.
```

This is a partial view of the report the presentation generated.

3:30 PM
3/24/2015