

Customer Tips

... for the user

dc07cc0422
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This document applies to these **Xerox** products:

Minimum Software Version Required – See Table on Page 5

X	DC 430
X	FaxCentre 2218
X	Phaser
	4500 7750
	6250 7760
	6350 8400
	6360 8550
	7400 8560
X	WC 2424
X	WC 4118
X	WC 4150
X	WC 5020/DN
X	WC 5030/5050
X	WC 5222/5225/5230
X	WC 56xx Series
X	WC 7132
X	WC 7228/7235/7245
X	WC 7232/7242
X	WC 7328/7335/7345/7346
X	WC 7655/7665 (v1)
X	WC 7655/7665/7675 (v2)
X	WC M20/M20i
X	WC 123/128/133
X	WCP 32/40C
X	WCP 35/45/55
X	WCP 65/75/90
X	WCP 165/175/190
X	WCP 232/238/245/255/ 265/275
X	WCP 2128/2636/3545

Changing Date & Time via SNMP

Purpose

This document contains the procedure to update the time on Xerox devices via an SNMP command.

Background

There are three ways to update the time on devices, which are at the device itself (locally), through an SNMP (Simple Network Management Protocol) command, or via Xerox CentreWare Web. This document will discuss updating the time locally and via SNMP.

To configure devices using Xerox CentreWare Web, see the Customer Tips entitled "Xerox CentreWare Web – Updating Device Time" located at http://www.office.xerox.com/support/dctips/dc_admin.html.

Assumptions

The product is at the required software version; refer to the table on page 5.

During this procedure we will be using NET-SNMP, which is a free SNMP tool available at <http://www.net-snmp.org/>. The syntax used in this procedure was tested with this tool and has been successful. Any other SNMP tools used may require variations of the syntax used.

Configuring Device Time Locally or Via the Web User Interface

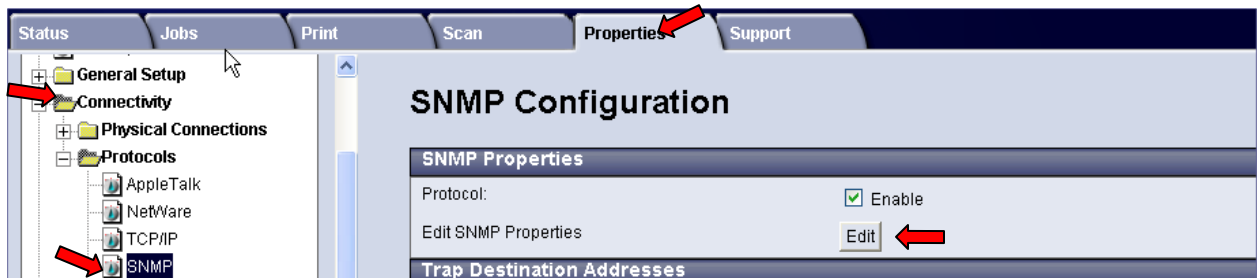
Please refer to your device's User's Guide for the steps needed to change the time at the device or via the internal web user interface (for those devices that have a web page to set the time).

Configuring Device via SNMP



Information Checklist

- Ensure that the workstation has an SNMP tool installed
- Take note of the target machine's IP address. You will be able to do this by printing a configuration sheet. Please see User's guide on how to print a configuration sheet for your device.
- Take note of the TCP/IP Settings on the configuration report as the IP Address will be needed in subsequent steps.
- Ensure that the SNMP protocol on the device has been enabled and the devices 'SNMP Get' and 'SNMP Set' community names are known.



Verify SNMP and Community Names

1. Insert the device's IP address within your browser's address line, press the **[Enter]** button.
2. Select **[Properties]** → **[Connectivity]** → **[Protocols]** → **[SNMP]**
3. Click on the **[Enable]** box, if it is not checked.
4. Click **[Edit]** and make note of the community names.
5. Exit out of the window.

(There may be some variances on where to locate the SNMP information depending on the model type.)

Date/Time Set Procedure

(For WorkCentre 56xx Series products with version 21.113.02.001 or lower proceed to Appendix A)

1. From your operating system open a DOS Window.
2. Within the DOS window verify that the device you are targeting is connected to the network. Type **ping <device IP number>**. You should receive a response similar to this:

```
C:\>ping 12.345.6.789
Pinging 12.345.6.789 with 32 bytes of data:
Reply from 12.345.6.789: bytes=32 time<1ms TTL=62
Reply from 12.345.6.789: bytes=32 time<1ms TTL=62
Reply from 12.345.6.789: bytes=32 time<1ms TTL=62
Reply from 12.345.6.789: bytes=32 time<1ms TTL=62
Ping statistics for 12.345.6.789:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms
```

3. Startup the SNMP tool of your choice and verify that you are able to connect to the device using SNMP. This will be done by obtaining the device's current date and time.

To obtain the device's date and time type the following command, using the appropriate substitutions for your environment:

Note: *hrSystemDate.0 is the location where the date/time resides on the device.*

Command:

```
snmpget -c public -v 2c 12.345.6.789 hrSystemDate.0
```

Substituting the following:

public = the 'Get Community Name' obtained earlier in this process

12.345.6.789 = the target device's IP address

4. If successful, you will receive a response such as this from the target device:

```
HOST-RESOURCES-MIB::hrSystemDate.0 = STRING: 2007-2-2,13:15:55.0,+0:0
```

Where:

2007-2-2 = YYYY-MM-DD

13:15:55.0 = HH:MM:SS.TT <24 Hour Clock>

+0:0 = The 'Time Offset' configured on the device.

5. ***For WorkCentre 2424 and Phaser Products, please proceed to step 5b, for all others continue to step 5a.***

- 5a. Use the following SNMP command to set the date/time on the device, using the appropriate substitutions for your environment:

```
snmpset -c private -v 2c 12.345.6.789 hrSystemDate.0 x "07 D7 02 18 0F 1E 00 00"
```

Substituting the following:

private = the 'Set Community Name' obtained earlier

12.345.6.789 = the target device's IP address

07 D7 02 18 0F 1E 00 00 = The hexadecimal converted date/time

- **07 D7** = Year (2007)
- **02** = Month (February)
- **18** = Day (24)
- **0F** = Hour (15)
- **1E** = Minute (30)
- **00** = Seconds (00)
- **00** = Tenths (00)

To convert date and time to hexadecimal, use the conversion charts at the end of this document.

- Once successful you should see the following confirmation message which echoes the devices new Date and Time.

```
HOST-RESOURCES-MIB::hrSystemDate.0 = STRING: 2007-2-24,15:30:0.0
```

- Proceed to Step 6.

5b. Use the following SNMP command to set the date/time on the device, using the appropriate substitutions for your environment:

```
snmpset -c private -v 2c 12.345.6.789 hrSystemDate.0 x "07 D7 02 18 0F 1E 00 00 00 01 1E"
```

Substituting the following:

private = the 'Set Community Name' obtained earlier

12.345.6.789 = the target device's IP address

07 D7 02 18 0F 1E 00 00 = The hexadecimal converted date/time

- **07 D7** = Year (2007)
- **02** = Month (February)
- **18** = Day (24)
- **0F** = Hour (15)
- **1E** = Minute (30)
- **00** = Seconds (00)
- **00** = Tenths (00)
- **00** = Hundredths (00)
- **01** = GMT Offset Hour (01)
- **1E** = GMT Offset Minutes (30)

 **To convert date and time to hexadecimal, use the conversion charts at the end of this document.**

- Once successful you should see the following confirmation message which echoes the devices new Date and Time.

HOST-RESOURCES-MIB::hrSystemDate.0 = STRING: 2007-2-24,15:30:0.0

6. You have successfully updated the date and time of the target device.

Appendix A

Date/Time Set Procedure for WorkCentre 56xx Series Products Version 21.113.02.001 or lower.

1. From your operating system open a DOS Window. For Windows click **[Start]** → **[Run]**, type **[cmd]** and hit the **[Enter]** key.
2. Within the DOS window verify that the device you are targeting is connected to the network. Type **ping <device IP number>**. You should receive a response similar to this:

```
C:\>ping 12.345.6.789
Pinging 12.345.6.789 with 32 bytes of data:
Reply from 12.345.6.789: bytes=32 time<1ms TTL=62
Reply from 12.345.6.789: bytes=32 time<1ms TTL=62
Reply from 12.345.6.789: bytes=32 time<1ms TTL=62
Reply from 12.345.6.789: bytes=32 time<1ms TTL=62
Ping statistics for 12.345.6.789:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms
```

3. Startup the SNMP tool of your choice and use the following SNMP command to set the date/time on the device, using the appropriate substitutions for your environment:

```
snmpset -c private -v 2c 12.345.6.789 hrSystemDate.0 x "07 D7 02 18 0F 1E 00 00 00 01 1E"
```

Substituting the following:

private = the 'Set Community Name' obtained earlier

12.345.6.789 = the target device's IP address

07 D7 02 18 0F 1E 00 00 = The hexadecimal converted date/time

- **07 D7** = Year (2007)
- **02** = Month (February)
- **18** = Day (24)
- **0F** = Hour (15)
- **1E** = Minute (30)
- **00** = Seconds (00); Tenths (00); Hundredths (00)
- **01** = GMT Offset Hour (01)
- **1E** = GMT Offset Minutes (30)

i *To convert date and time to hexadecimal, use the conversion charts at the end of this document.*

- Once successful you should see the following confirmation message which echoes the devices new Date and Time.

```
HOST-RESOURCES-MIB::hrSystemDate.0 = STRING: 2007-2-24,15:30:0.0
```

4. You have successfully updated the date and time of the target device.

Minimum Software Version Needed

Product	Minimum Version
DC 430	3.3.32
FaxCentre 2218	All Versions
Phaser 4500 7750 6250 7760 6350 8400 6360 8550 7400 8560	All Versions
WC 123/128/133	All Versions
WC 2424	All Versions
WC 4118	Version 1.15
WC 4150	Version 10.100.06
WC 5020/DN	All Versions
WC 5030/5050	All Versions
WC 5222/5225/5230	All Versions
WC 56xx Series	All Versions
WC 7132	Version 1.202.1
WC 7228/7235/7245	All Versions
WC 7232/7242	All Versions
WC 7328/7335/7345/7346	All Versions
WC 7655/7665 (v1)	All Versions
WC 7655/7665/7675 (v2)	All Versions
WC M20/M20i	Version 2.5
WCP 32/40C	Version 1.02.083
WCP 35/45/55	Version *.97.20.019
WCP 65/75/90	Version 1.001.02.082
WCP 165/175/190	Version *.57.32.008
WCP 232/238/245/255/ 265/275	All Versions
WCP 2128/2636/3545	Version 1.04.501

Hexadecimal Conversion tables

Convert Year to Hexadecimal

Year	Hexadecimal Value	Year	Hexadecimal Value
2008	07 D8	2012	07 DC
2009	07 D9	2013	07 DD
2010	07 DA	2014	07 DE
2011	07 DB		

Convert Number to Hexadecimal

Number	Hexadecimal	Number	Hexadecimal	Number	Hexadecimal	Number	Hexadecimal
1	01	16	10	31	1F	46	2E
2	02	17	11	32	20	47	2F
3	03	18	12	33	21	48	30
4	04	19	13	34	22	49	31
5	05	20	14	35	23	50	32
6	06	21	15	36	24	51	33
7	07	22	16	37	25	52	34
8	08	23	17	38	26	53	35
9	09	24	18	39	27	54	36
10	0A	25	19	40	28	55	37
11	0B	26	1A	41	29	56	38
12	0C	27	1B	42	2A	57	39
13	0D	28	1C	43	2B	58	3A
14	0E	29	1D	44	2C	59	3B
15	0F	30	1E	45	2D		

Additional Information

Xerox Customer Support welcomes feedback on all documentation - send feedback via e-mail to: USA.DSSC.Doc.Feedback@mc.usa.xerox.com.

You can reach Xerox Customer Support at 1-800-821-2797 (USA); TTY 1-800-855-2880 or at <http://www.xerox.com>.

Other Tips about Xerox multifunction devices are available at the following URL: <http://www.office.xerox.com/support/dctips/dctips.html>.

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