

Network Authentication KM-3050/KM-4050/KM-5050

With the KM-3050, KM-4050 en KM-5050 (After this named: KM-3050) there are possibilities for users to identify themselves according the Active Directory. Here the user can logon to the KM-3050 the same way as on a normal PC.

Please follow the next steps in order to configure.
The basic principle is to link to an Active Directory, where a Windows 2003 server is the PDC (Primary Domain Controller).

Step 1: collecting data

The next data are necessary to realize the linking:

- The ip-address of the PDC (Primary Domain Controller, usually the Windows 2003 server).
- Domain Name of the Active Directory.

Both you can find by logging on to a PC in the domain and open a DOS box (Start/Run, Open: CMD) and typ the command: `ipconfig /all`

```
C:\>ipconfig /all

Windows IP-Configuration

Host-name . . . . . : ShowroomPC
Primary DNS-suffix . . . . . : KME.intra.Kyoceramita.com
Node type . . . . . : hybrid
IP-routeing enabled . . . . . : no
WINS-proxy enabled . . . . . : no
DNS-suffix search list . . . . . : KME.intra.Kyoceramita.com
                                   intra.Kyoceramita.com
                                   Kyoceramita.com

Ethernet-adapter LAN-verbinding:

    Connection-specific DNS-suffix . : 
    Description . . . . . : 
        Intel(R) PRO/1000 MT Network Connection
    Physical address. . . . . : 00-13-D3-22-3D-1D
    DHCP enabled . . . . . : yes
    Autom. Conf .enabled . . . . . : yes
    IP-address. . . . . : 172.20.53.67
    Subnetmask . . . . . : 255.255.252.0
    Default gateway . . . . . : 172.20.55.1
    DHCP-server . . . . . : 172.20.52.3
    DNS-servers . . . . . : 172.20.52.1
                           172.20.52.3
    Primary WINS-server . . . . . : 172.20.52.1
    Secondary WINS-server . . . . . : 172.20.52.3
```

Domain Name

IP address PDC

```
C:\>
```

Step 2: Microsoft Network server: Digital Signing disable.

On the Windows 2003 server is by default enabled that you only can logon to the domain if digitally signing is enabled. This is only supported by Windows NT 4 and higher.

The KM-3050 is based on Linux, and therefore not supports the Digital Signing. This option has to be disabled on the server. This can be done with the Group Policy Editor.

Reference:

Group Policy Editor

<http://technet2.microsoft.com/WindowsServer/en/library/02e1b4dc-00a7-41b1-8610-38d43d5e5d5d1033.mspx?mfr=true>

Digitally Sign Communications

<http://technet2.microsoft.com/WindowsServer/en/library/c9dfa127-8e28-46de-81d0-6d0742c284201033.mspx?mfr=true>

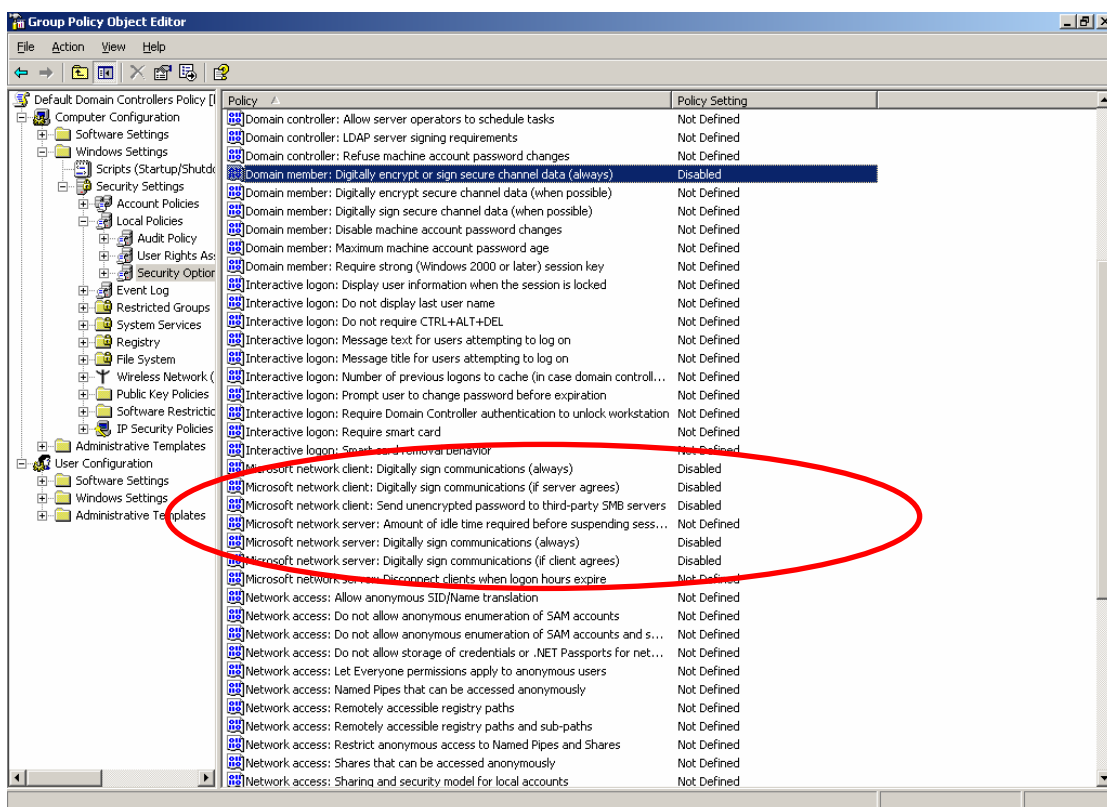
The next options have to be disabled:

Microsoft network client: Digitally sign communications (always)

Microsoft network client: Digitally sign communications (if server agrees)

Microsoft network server: Digitally sign communications (always)

Microsoft network server: Digitally sign communications (if client agrees)

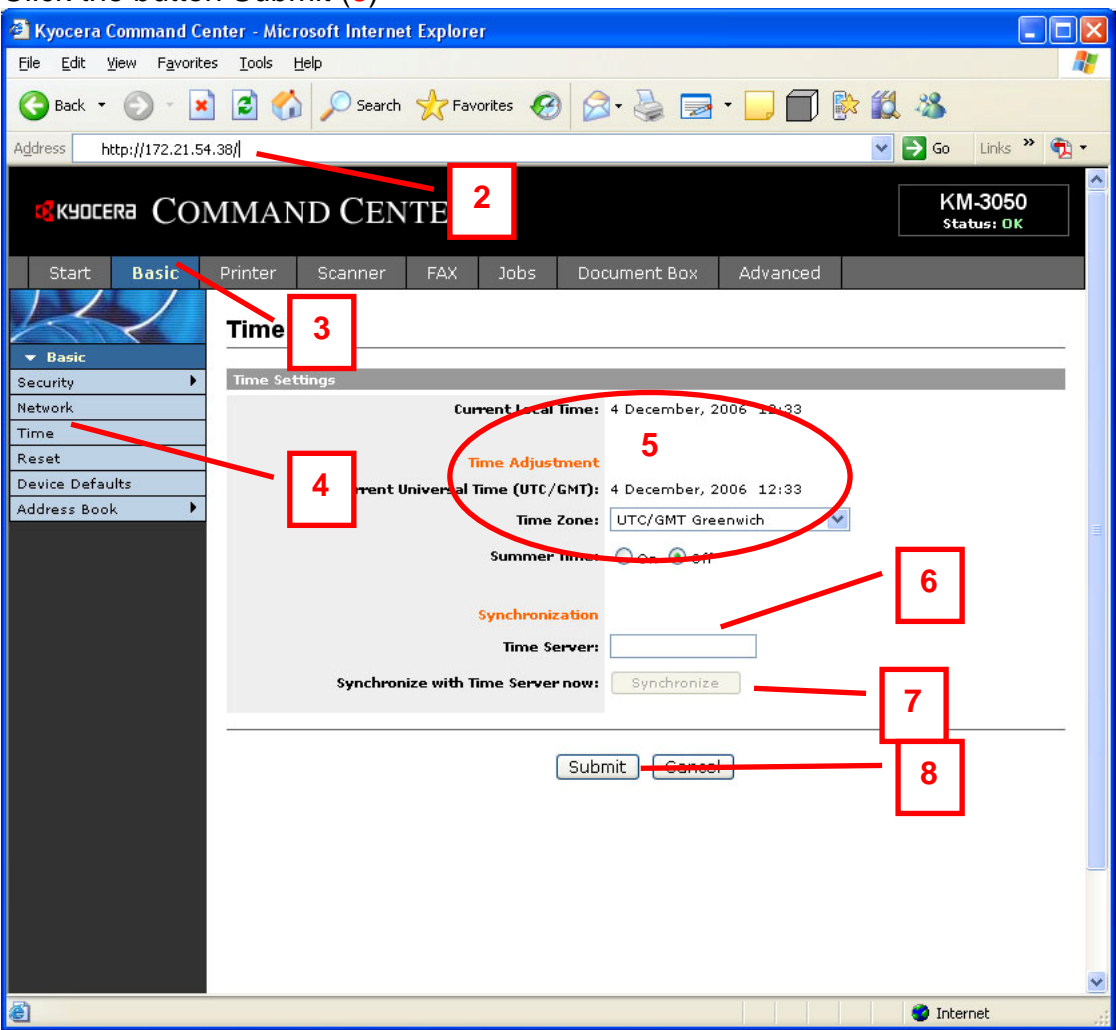


Step 3: Configuration KM-3050, time synchronization.

It is necessary that the time is running synchronic with the time on the Active Directory server. In order to be sure you can set on the KM-3050 the Active Directory server as Time Server.

Procedure:

1. With internet explorer
2. Type at Address the IP number or Host Name of the KM-3050 (2)
3. Click on the tab **Basic** (3)
4. Click on **Time** (4)
5. Select the correct **Time adjustments** (5)
6. Type in Synchronization the ip address of the PCD as found in [Step 1](#) (6)
7. Click the button **Synchronize**, the time is now the same as the PDC (7)
8. Click the button **Submit** (8)

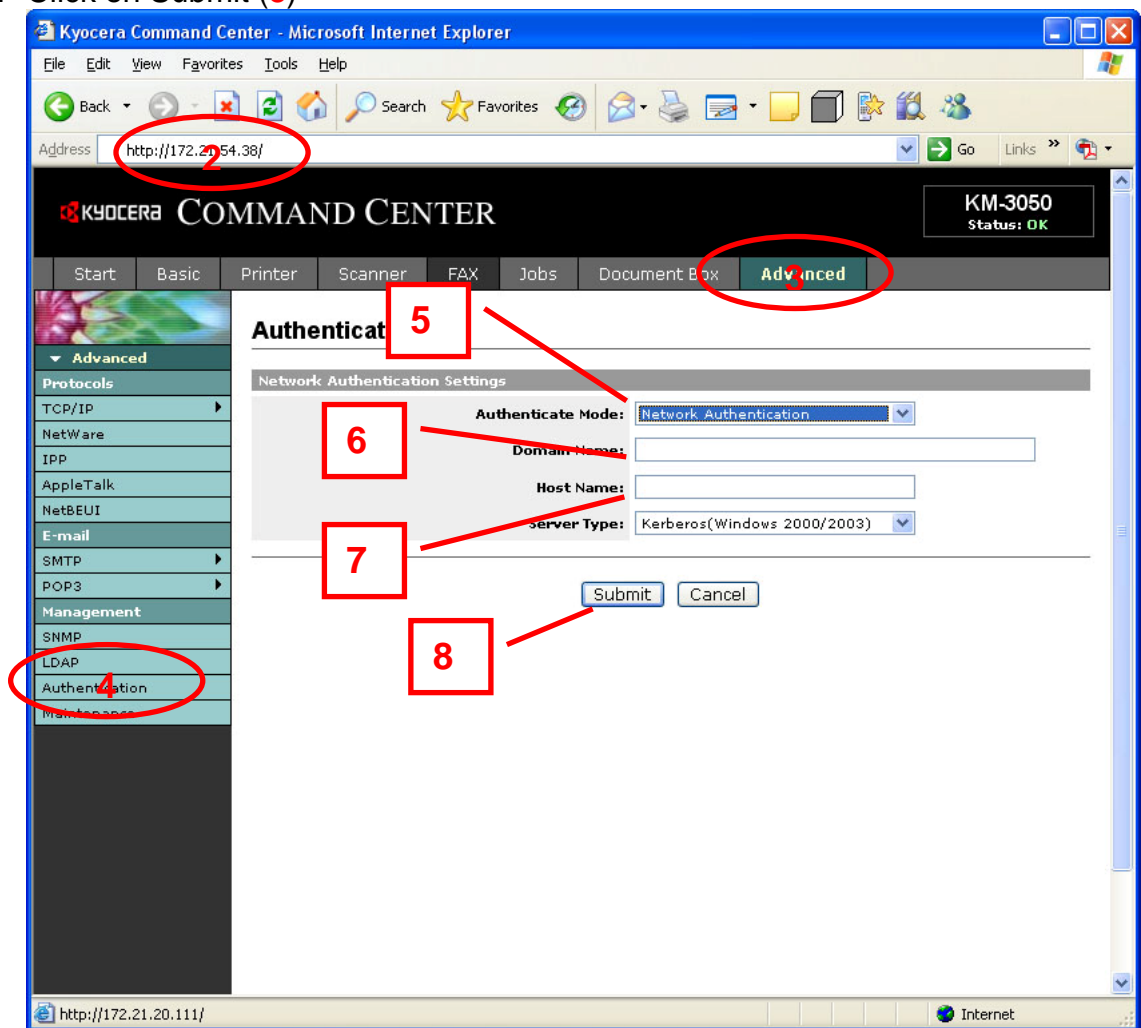
9. 

Step 4: Configuration KM-3050, Network Authentication

Also the configuration of the Network Authentication could be done with the web interface of the printer /MFP

Procedure:

1. Open Internet Explorer
2. Type at Address the IP number or Host Name of the KM-3050 (2)
3. Click the tab **advanced** (3)
4. Click on **Authentication** (4)
5. Select at Authenticate mode the option **Network authentication** (5)
6. Type at Domain name the domain name as found in [Step 1](#) This **HAS** to be typed in **Capitals** !! (6)
7. Type at Host Name the IP address of the PDC as found in [Step 1](#)
8. Click on Submit (8)



- If the webpage is ready with sending, restart the KM-3050 (Switch of and on)

In order to use the device, you have to identify yourself with the same username and password which is used to logon to the network by using a PC.

Remarks or comment: support@kyoceramita-europe.com