

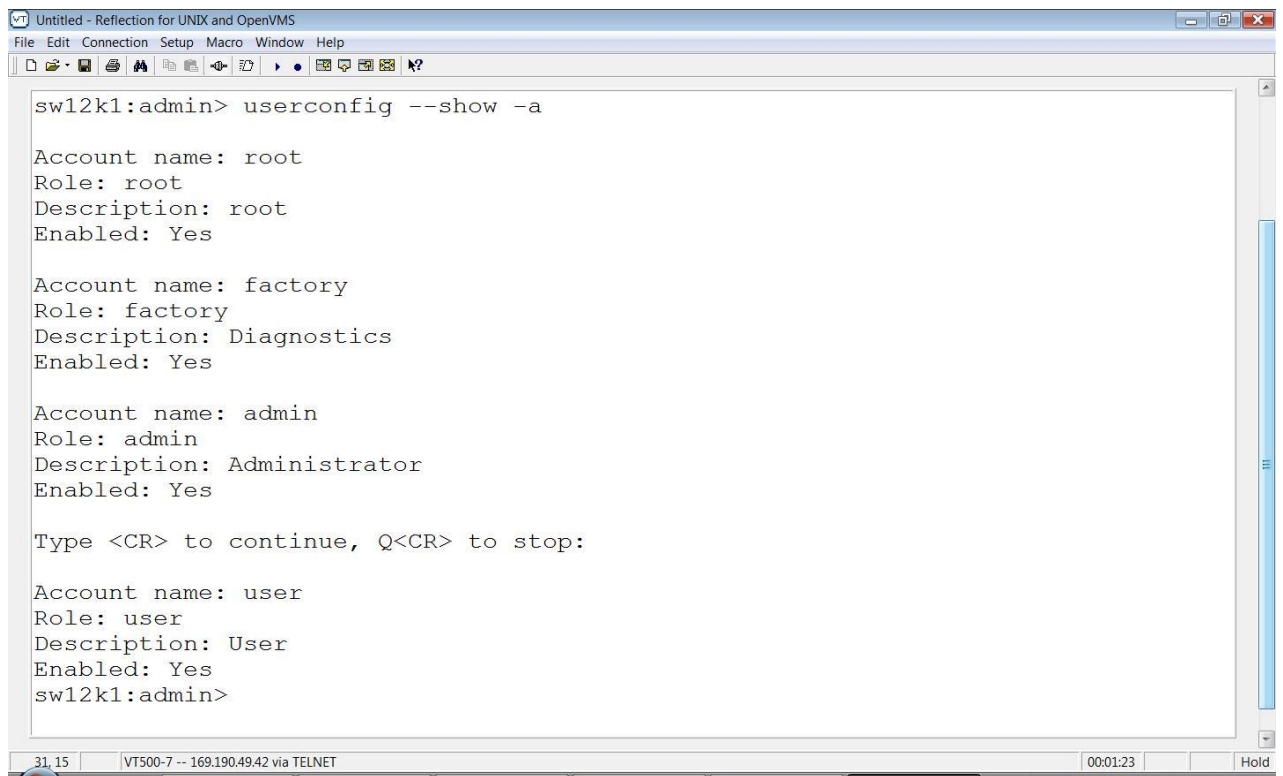
Customer: Bank Handlowy S.A. Project: User Entitlement Review PM: Jacek Kałucki Prepared by: Jacek Kałucki Date: 26/04/2010				
Deliver Date:	26/04/2010			
Description:	As per request from London SAN admin team on the weekend, Apr 17-18 and Friday, Apr 23th we have performed User entitlement review for SAN switches and SVP of XP1024 and XP24k storages. The following team was present during the review: Maciek Zajęczkowski – password custodian, Citigroup Robert Kozłowski – Mission Critical Hardware Specialist, HP The review was concluded at Goleszowska (XP1024 and SAN switches) and Senatorska (XP24k and SAN switches). Attached is detailed report per each reviewed device.			
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1. Goleszowska Site

1.1. SAN Switch Brocade J

The evidence of defined users were taken by making a serial connection to switch console and documented as a print screen of appropriate screen by use of „userconfig --show -a” command. The following users were listed:

- Root
- Factory
- Admin
- User



The screenshot shows a Telnet window titled "Untitled - Reflection for UNIX and OpenVMS". The command prompt is "swl2k1:admin>". The command entered is "userconfig --show -a". The output lists four accounts: "root", "factory", "admin", and "user". Each account entry includes its name, role, description, and enabled status. The prompt "Type <CR> to continue, Q<CR> to stop:" appears after the "admin" entry. The "user" entry is shown at the bottom of the list. The window's status bar at the bottom indicates "31, 15", "VT500-7 -- 169.190.49.42 via TELNET", "00:01:23", and a "Hold" button.

```
swl2k1:admin> userconfig --show -a

Account name: root
Role: root
Description: root
Enabled: Yes

Account name: factory
Role: factory
Description: Diagnostics
Enabled: Yes

Account name: admin
Role: admin
Description: Administrator
Enabled: Yes

Type <CR> to continue, Q<CR> to stop:

Account name: user
Role: user
Description: User
Enabled: Yes
swl2k1:admin>
```

Attached you will find appropriate link to Brocade documentation with explanation of purpose of all mentioned above accounts:

http://community.brocade.com/home/servlet/JiveServlet/download/4878-137/1/53_1000598_03_FOSAdminGuide_v610.pdf

About the default accounts

Fabric OS provides the following predefined accounts in the local switch user database. The password for all default accounts should be changed during the initial installation and configuration for each switch.

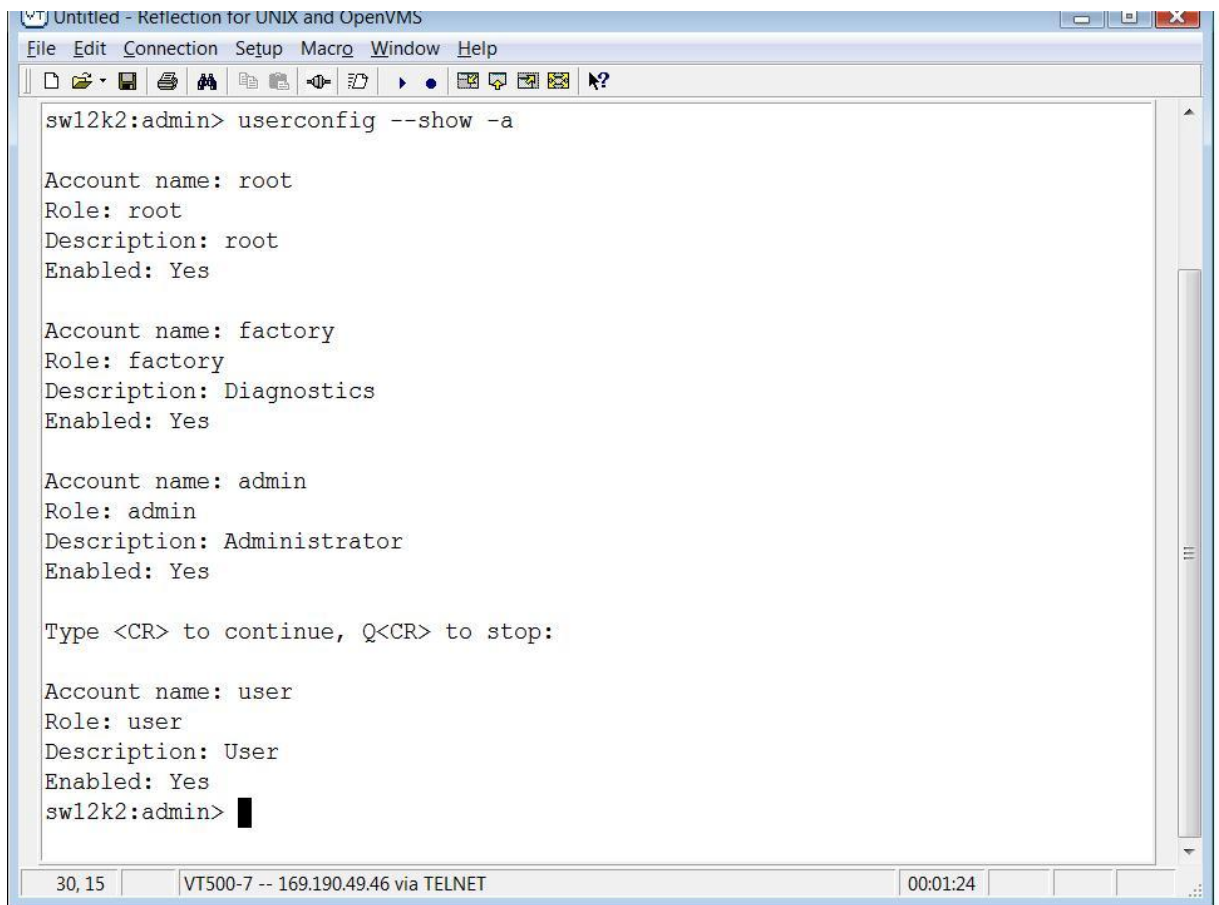
TABLE 10 Default local user accounts

Account name	Role	Admin Domain	Description
admin	Admin	AD0-255 home: 0	Most commands have <i>observe-modify</i> permission.
factory	Factory	AD0-255 home: 0	Reserved.
root	Root	AD0-255 home: 0	Reserved.
user	User	AD0 home: 0	Most commands have <i>observe-only</i> permission.

1.2. SAN Switch Brocade K

The evidence of defined users were taken by making a serial connection to switch console and documented as a print screen of appropriate screen by use of “„userconfig --show -a” command. The following users were listed:

- Root
- Factory
- Admin
- User



```
VT Untitled - Reflection for UNIX and OpenVMS
File Edit Connection Setup Macro Window Help

swl2k2:admin> userconfig --show -a

Account name: root
Role: root
Description: root
Enabled: Yes

Account name: factory
Role: factory
Description: Diagnostics
Enabled: Yes

Account name: admin
Role: admin
Description: Administrator
Enabled: Yes

Type <CR> to continue, Q<CR> to stop:

Account name: user
Role: user
Description: User
Enabled: Yes
swl2k2:admin> █

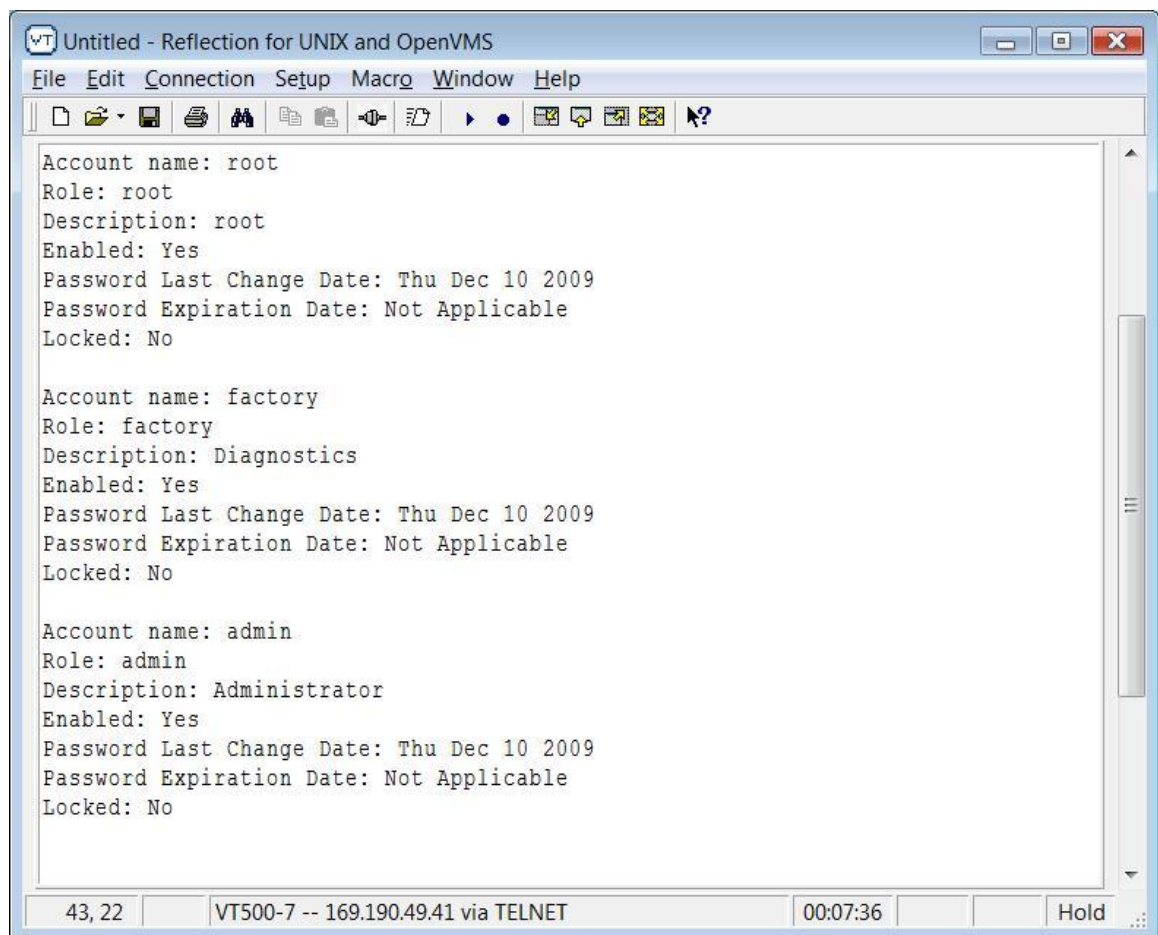
30, 15 VT500-7 -- 169.190.49.46 via TELNET 00:01:24
```

For explanation on account purpose see note on SAN Switch J.

1.3. SAN Switch Brocade I (backupsun)

The evidence of defined users were taken by making a direct LAN connection to switch console and documented as a print screen of appropriate screen by use of “„userconfig --show -a” command. The following users were listed:

- Root
- Factory
- Admin
- User



The screenshot shows a terminal window titled "Untitled - Reflection for UNIX and OpenVMS". The window has a menu bar with "File", "Edit", "Connection", "Setup", "Macro", "Window", and "Help". Below the menu bar is a toolbar with various icons. The main text area displays the output of the "userconfig --show -a" command, listing details for three accounts: root, factory, and admin. The status bar at the bottom shows "43, 22", "VT500-7 -- 169.190.49.41 via TELNET", "00:07:36", and "Hold".

```
Account name: root
Role: root
Description: root
Enabled: Yes
Password Last Change Date: Thu Dec 10 2009
Password Expiration Date: Not Applicable
Locked: No

Account name: factory
Role: factory
Description: Diagnostics
Enabled: Yes
Password Last Change Date: Thu Dec 10 2009
Password Expiration Date: Not Applicable
Locked: No

Account name: admin
Role: admin
Description: Administrator
Enabled: Yes
Password Last Change Date: Thu Dec 10 2009
Password Expiration Date: Not Applicable
Locked: No
```

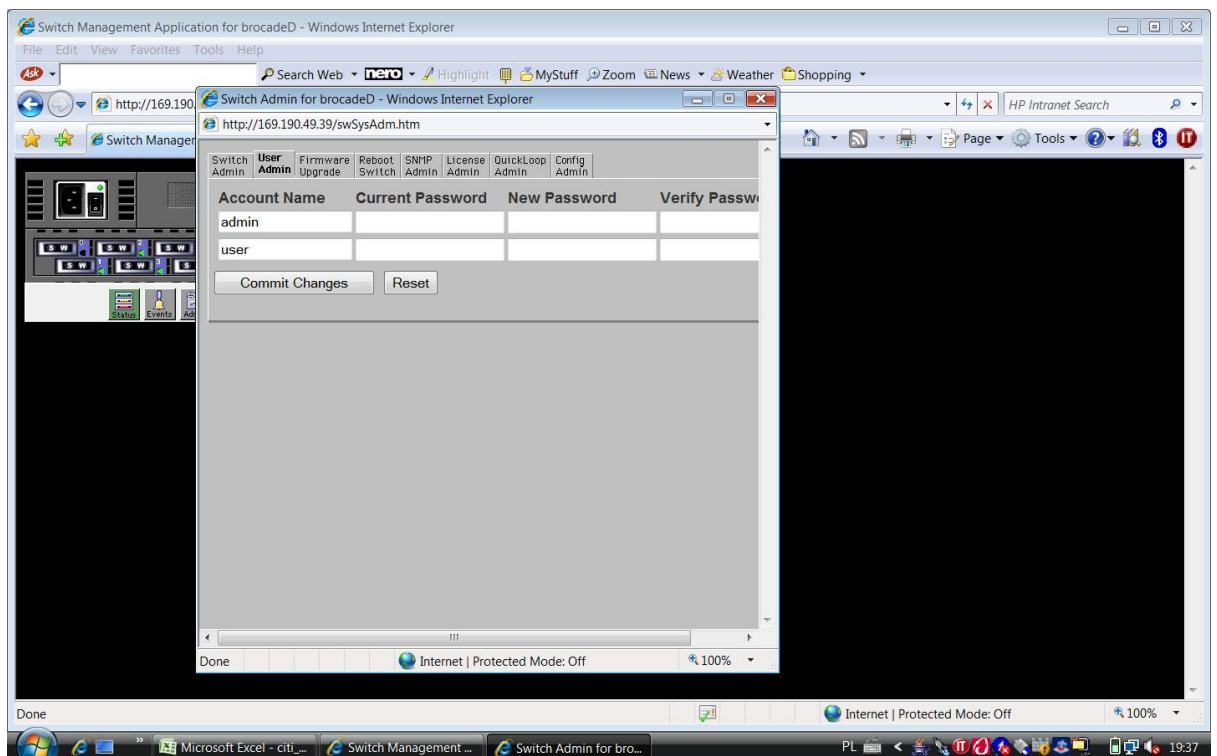
43, 22 VT500-7 -- 169.190.49.41 via TELNET 00:07:36 Hold

For explanation on account purpose see note on SAN Switch J.

1.4. SAN Switch Brocade D

The evidence of defined users were taken by making a direct LAN connection to switch console and documented as a print screen of appropriate Web Console screen by use of User Admin function. The following users were listed:

- Admin
- User



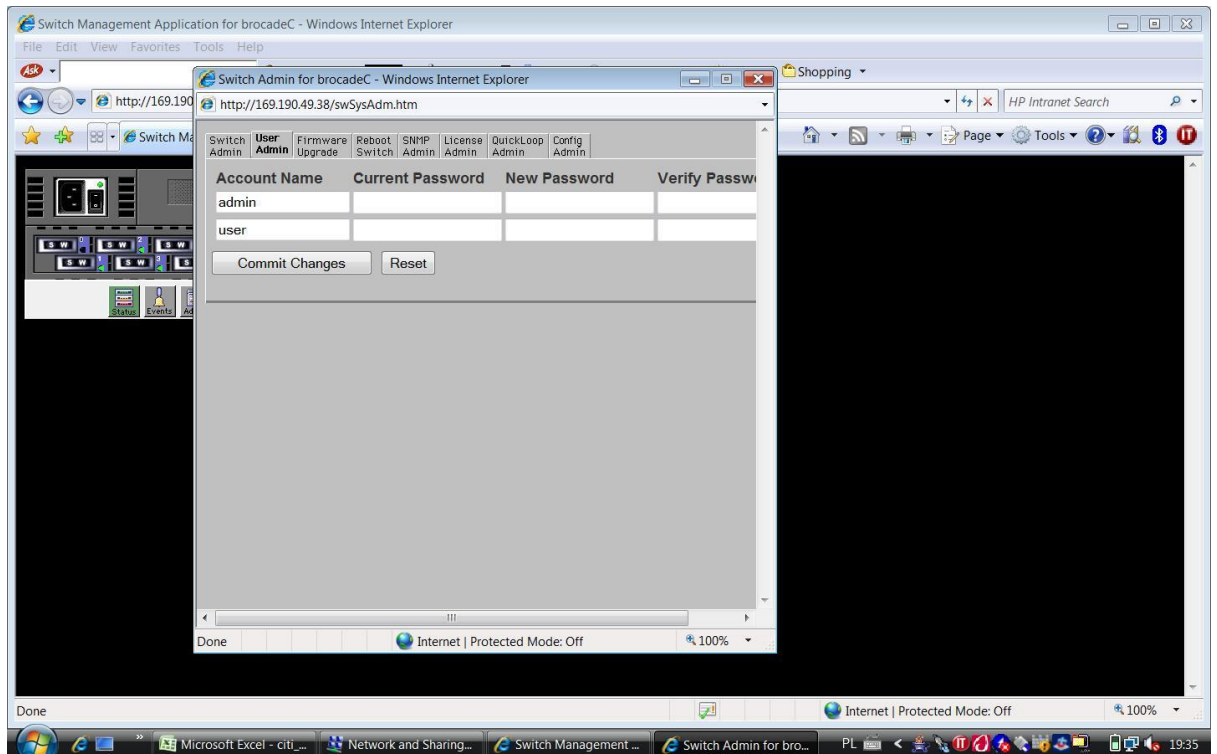
Please note, that users Factory and Root are not listed although they are created but not listed in this version of firmware.

For explanation on account purpose see note on SAN Switch J.

1.5. SAN Switch Brocade C

The evidence of defined users were taken by making a direct LAN connection to switch console and documented as a print screen of appropriate Web Console screen by use of User Admin function. The following users were listed:

- Admin
- User



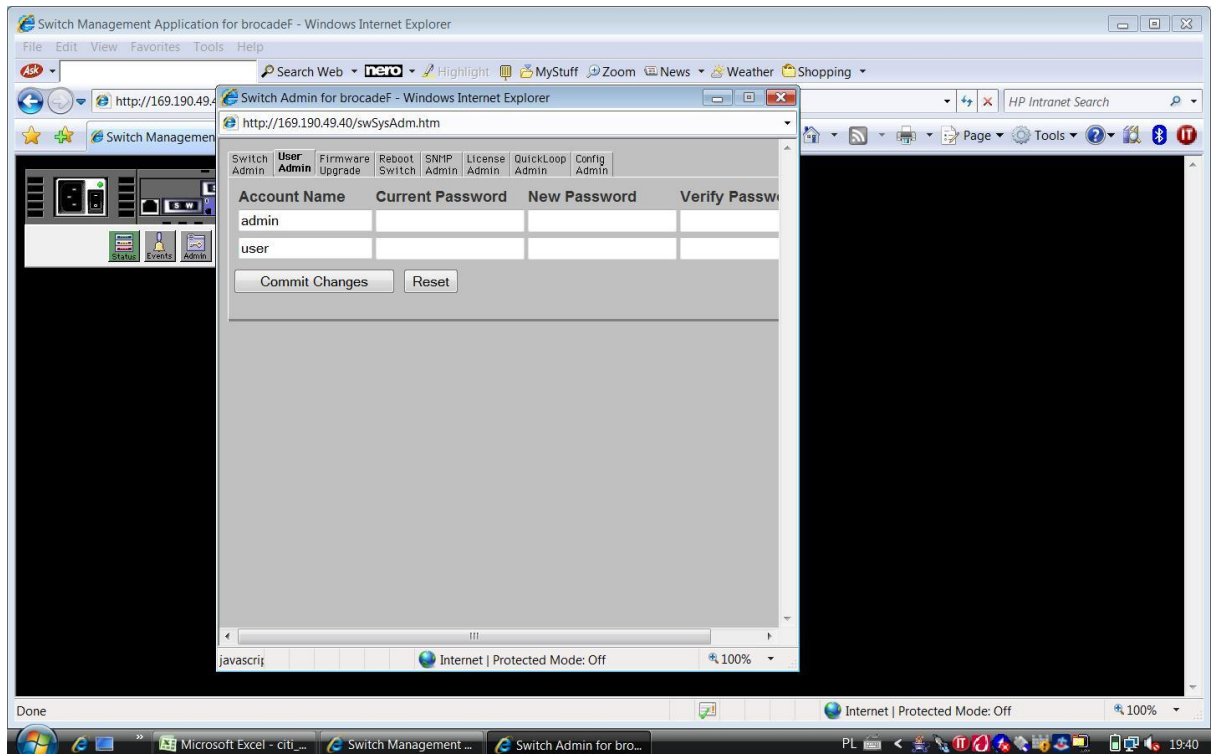
Please note, that users Factory and Root are not listed although they are created but not listed in this version of firmware.

For explanation on account purpose see note on SAN Switch J.

1.6. SAN Switch Brocade F

The evidence of defined users were taken by making a direct LAN connection to switch console and documented as a print screen of appropriate Web Console screen by use of User Admin function. The following users were listed:

- Admin
- User



Please note, that users Factory and Root are not listed although they are created but not listed in this version of firmware.

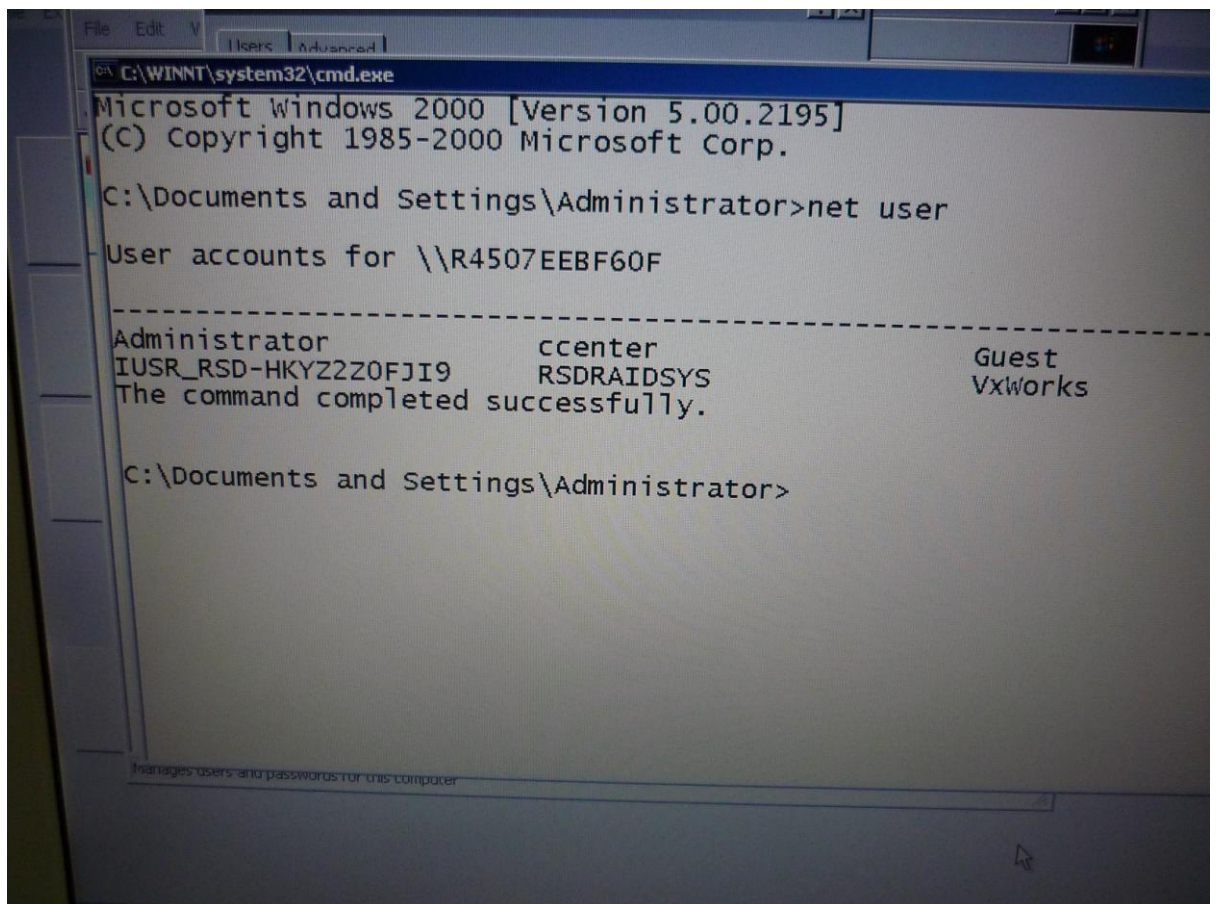
For explanation on account purpose see note on SAN Switch J.

1.7. XP1024 storage

Due to the lack of possibility of taking direct screen shots the photo camera was used to capture the information displayed of SVP Screen.

The following list of the users was observed by use of 'net user' command issued at command prompt console:

- Administrator
- Center
- Guest
- IUSR_RSD-HKZ2Z0FJI9
- RSDRAIDSYS
- VxWorks



The screenshot shows a Windows 2000 command prompt window titled "C:\WINNT\system32\cmd.exe". The window displays the following text:

```
Microsoft Windows 2000 [Version 5.00.2195]
(C) Copyright 1985-2000 Microsoft Corp.

C:\Documents and Settings\Administrator>net user

User accounts for \\R4507EEBF60F

-----
Administrator          ccenter          Guest
IUSR_RSD-HKY2Z20FJI9    RSDRAIDSYS
The command completed successfully.

C:\Documents and Settings\Administrator>
```

At the bottom of the window, there is a status bar that reads "Manages users and passwords for this computer".

The following list of the user groups was observed by use of 'net localgroup' command issued at command prompt console:

- Administrators
- Backup Operators
- Guests
- Power Users
- Replicator
- Users

```
Administrator      ccenter      Guest
USR_RSD-HKYZ220FJI9  RSDRAIDSYS  VxWorks
The command completed successfully.

C:\Documents and Settings\Administrator>net groups
This command can be used only on a Windows 2000 Domain Controller.
More help is available by typing NET HELPMSG 3515.

C:\Documents and Settings\Administrator>net localgroup
Aliases for \\R4507EEBF60F
-----
*Administrators      *Backup Operators   *Guests
*Power Users         *Replicator         *Users
The command completed successfully.

C:\Documents and Settings\Administrator>
```

The following 2 next screens documents Group Membership:

```
C:\WINNT\system32\cmd.exe
C:\Documents and Settings\Administrator>net localgroup Administrators
Alias name      Administrators
Comment        Administrators have complete and unrestricted access to the compu
ter/domain
Members
-----
Administrator
ccenter
The command completed successfully.

C:\Documents and Settings\Administrator>net localgroup "power users"
Alias name      power users
Comment        Power Users possess most administrative powers with some restrict
ions. Thus, Power Users can run legacy applications in addition to certified ap
plications
Members
-----
The command completed successfully.

C:\Documents and Settings\Administrator>net localgroup "users"
Alias name      users
Comment        Users are prevented from making accidental or intentional system-
wide changes. Thus, Users can run certified applications, but not most legacy a
pplications
Members
-----
NT AUTHORITY\Authenticated Users
NT AUTHORITY\INTERACTIVE
RSDRAIDSYS
VxWorks
The command completed successfully.
```

```
C:\WINNT\system32\cmd.exe
C:\Documents and Settings\Administrator>net localgroup "backup operators"
Alias name      backup operators
Comment        Backup Operators can override security restrictions for the sole
purpose of backing up or restoring files
Members
-----
The command completed successfully.

C:\Documents and Settings\Administrator>net localgroup "replicators"
The user or group account specified cannot be found.

More help is available by typing NET HELPMSG 3963.

C:\Documents and Settings\Administrator>net localgroup "replicator"
Alias name      replicator
Comment        Supports file replication in a domain
Members
-----
The command completed successfully.

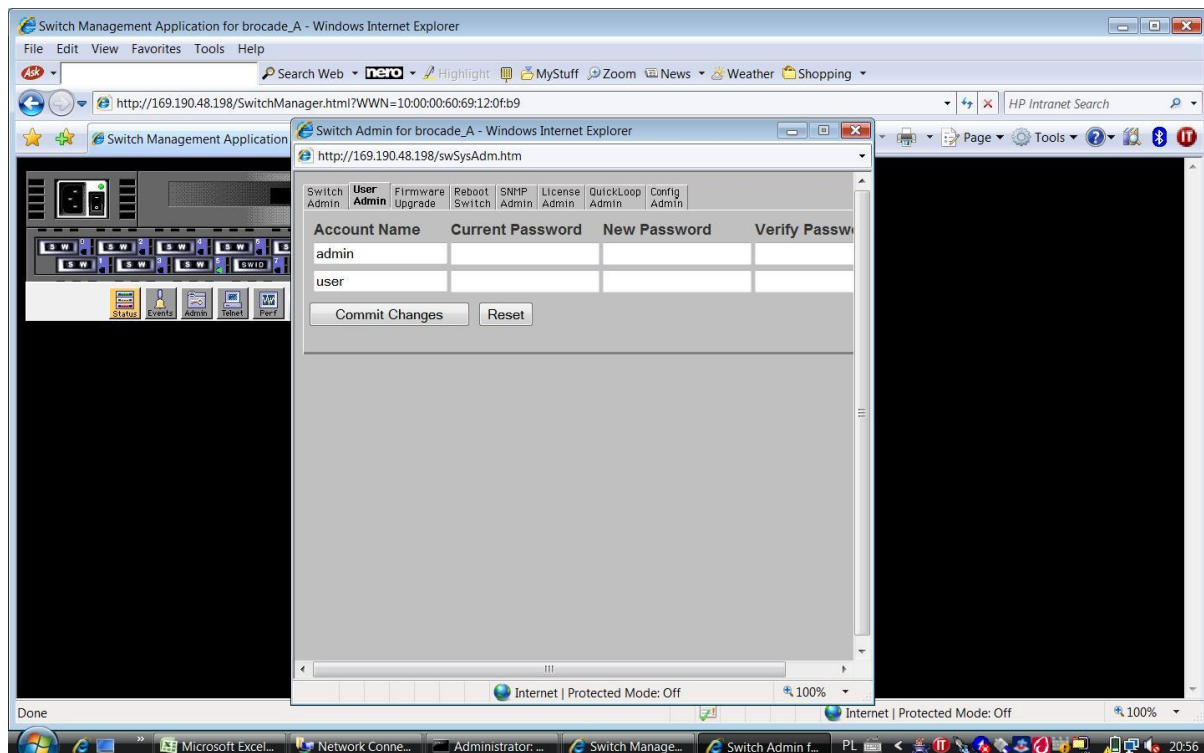
C:\Documents and Settings\Administrator>net localgroup "guests"
Alias name      guests
Comment        Guests have the same access as members of the Users group by defa
ult, except for the Guest account which is further restricted
Members
-----
Guest
IUSR_RSD-HKY22Z0FJI9
The command completed successfully.
```

Senatorska Site

2.1. SAN Switch Brocade A

The evidence of defined users were taken by making a direct LAN connection to switch console and documented as a print screen of appropriate Web Console screen by use of User Admin function. The following users were listed:

- Admin
- User



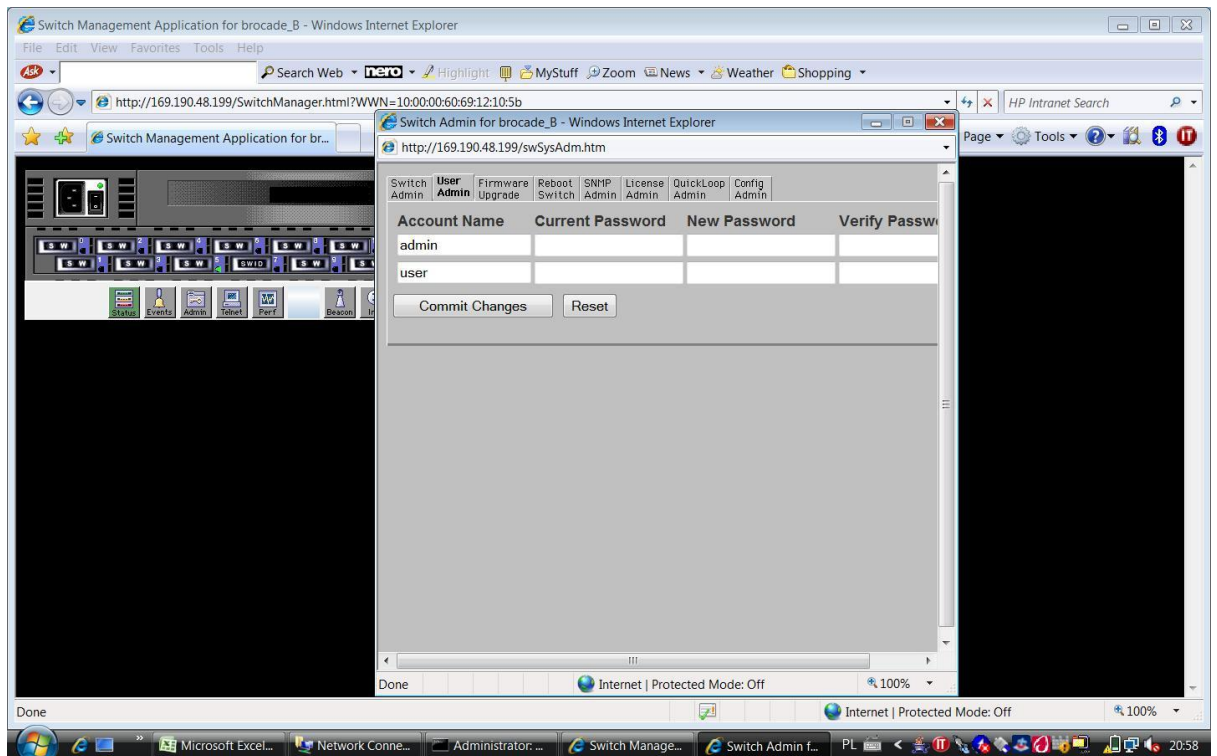
Please note, that users Factory and Root are not listed although they are created but not listed in this version of firmware.

For explanation on account purpose see note on SAN Switch J.

2.2. SAN Switch Brocade B

The evidence of defined users were taken by making a direct LAN connection to switch console and documented as a print screen of appropriate Web Console screen by use of User Admin function. The following users were listed:

- Admin
- User



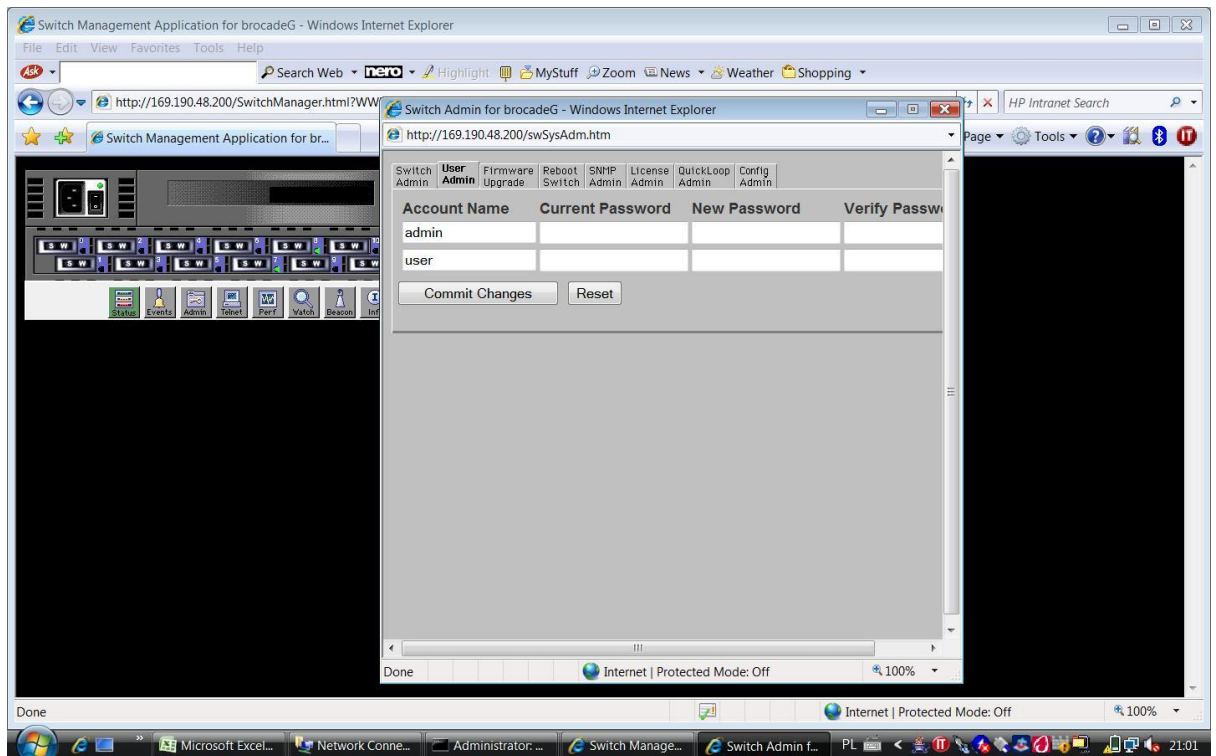
Please note, that users Factory and Root are not listed although they are created but not listed in this version of firmware.

For explanation on account purpose see note on SAN Switch J.

2.3. SAN Switch Brocade G

The evidence of defined users were taken by making a direct LAN connection to switch console and documented as a print screen of appropriate Web Console screen by use of User Admin function. The following users were listed:

- Admin
- User



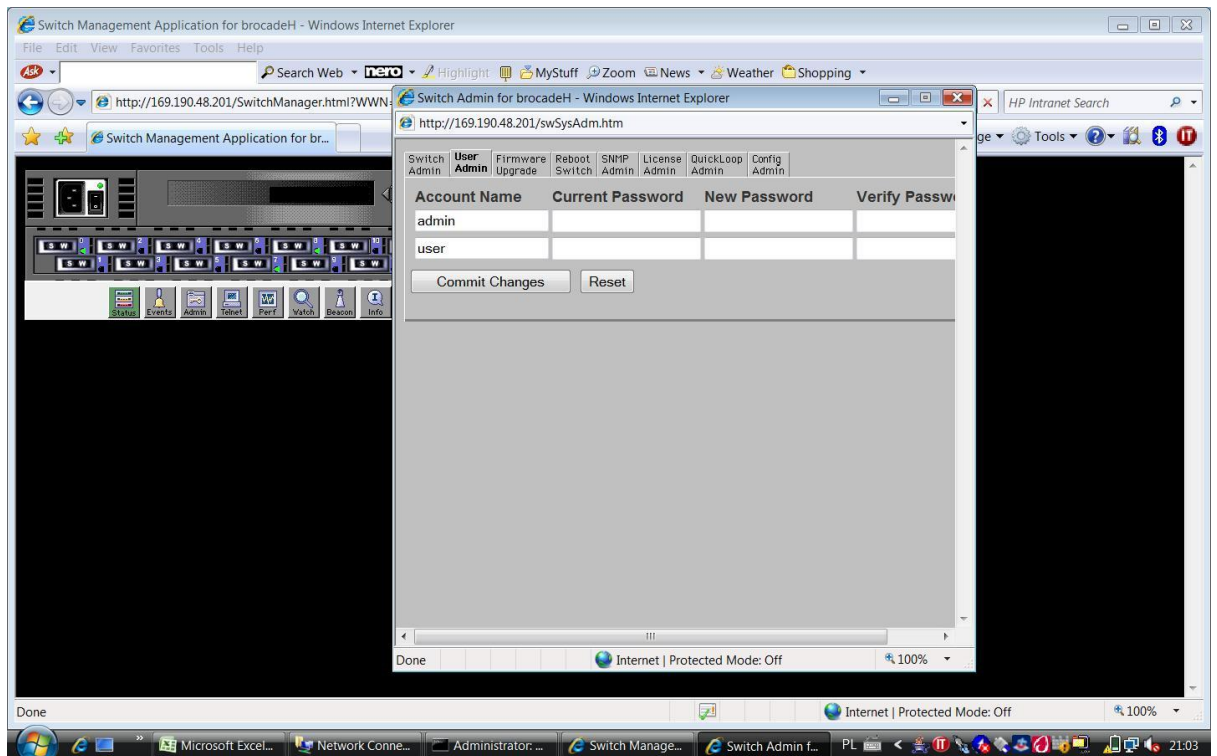
Please note, that users Factory and Root are not listed although they are created but not listed in this version of firmware.

For explanation on account purpose see note on SAN Switch J.

2.4. SAN Switch Brocade H

The evidence of defined users were taken by making a direct LAN connection to switch console and documented as a print screen of appropriate Web Console screen by use of User Admin function. The following users were listed:

- Admin
- User



Please note, that users Factory and Root are not listed although they are created but not listed in this version of firmware.

For explanation on account purpose see note on SAN Switch J.

2.5. XP24k storage

The evidence was taken as a screen shot of remote console connected to the SVP service port.

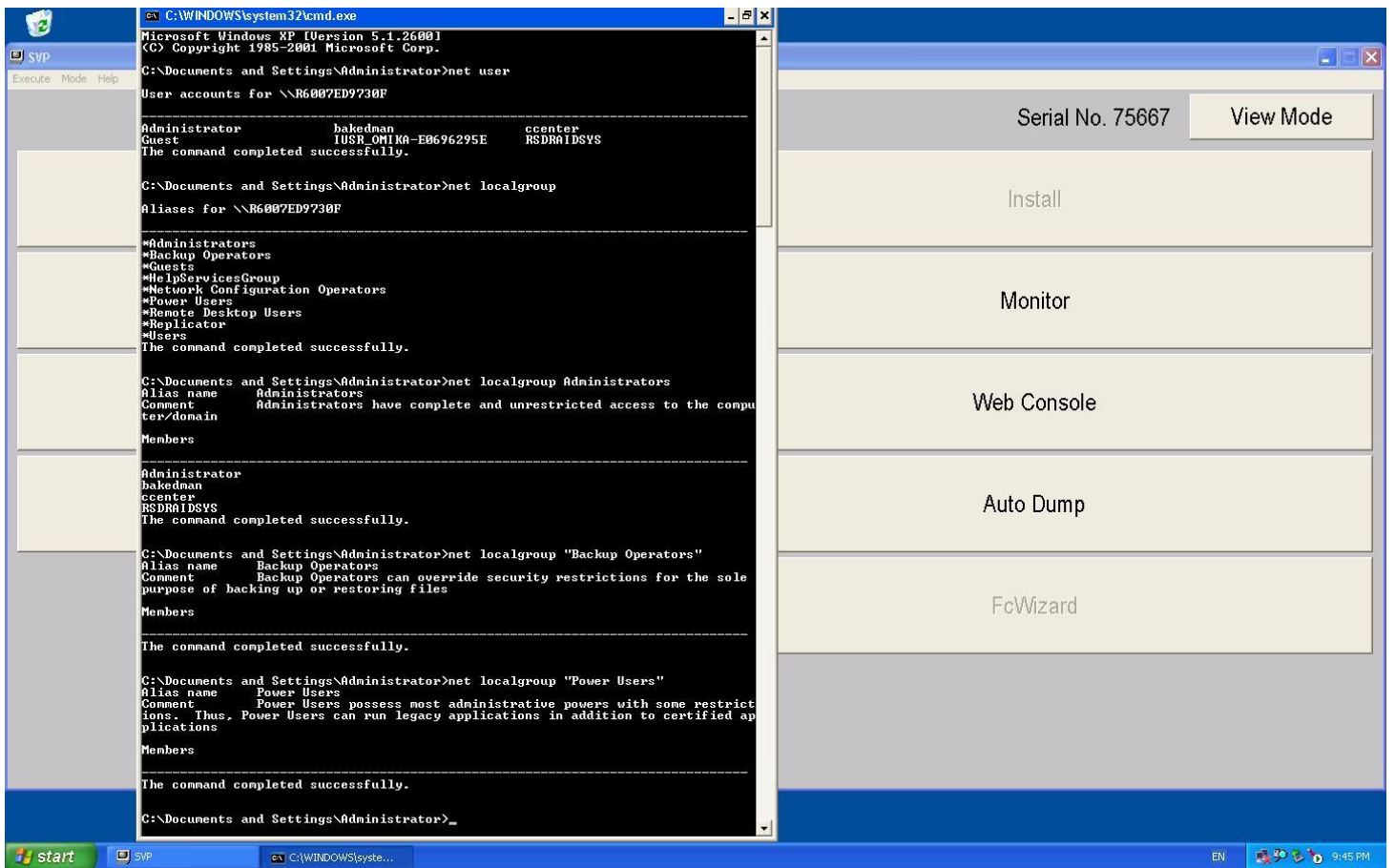
The following list of the users was observed by use of 'net user' command issued at command prompt console:

- Administrator
- Bakedman
- ccenter
- Guest
- IUSR_OMIKA-E0696295E
- RSDRAIDSYS

The following list of the user groups was observed by use of 'net localgroup' command issued at command prompt console:

- Administrators
- Backup Operators
- Guests
- HelpServicesGroup
- Network Configuration Operators
- Power Users
- Remote Desktop Users
- Replicator
- Users

The following 3 screenshots are evidence of the following observation together with detailed group membership information:



```
C:\WINDOWS\system32\cmd.exe

Members
-----
NT AUTHORITY\Authenticated Users
NT AUTHORITY\INTERACTIVE
The command completed successfully.

C:\Documents and Settings\Administrator>net localgroup "Guests"
Alias name      Guests
Comment        Guests have the same access as members of the Users group by default, except for the Guest account which is further restricted

Members
-----

Guest
IUSR_OMIKA-E0696295E
The command completed successfully.

C:\Documents and Settings\Administrator>net localgroup "Remote Desktop Users"
Alias name      Remote Desktop Users
Comment        Members in this group are granted the right to logon remotely

Members
-----

The command completed successfully.

C:\Documents and Settings\Administrator>net localgroup "Replicator"
Alias name      Replicator
Comment        Supports file replication in a domain

Members
-----

The command completed successfully.

C:\Documents and Settings\Administrator>net localgroup "HelpServicesGroup"
Alias name      HelpServicesGroup
Comment        Group for the Help and Support Center

Members
-----

The command completed successfully.

C:\Documents and Settings\Administrator>net localgroup "Network Configuration Operators"
Alias name      Network Configuration Operators
Comment        Members in this group can have some administrative privileges to manage configuration of networking features

Members
-----

The command completed successfully.

C:\Documents and Settings\Administrator>_
```

```
C:\WINDOWS\system32\cmd.exe

C:\Documents and Settings\Administrator>net localgroup "Backup Operators"
Alias name     Backup Operators
Comment       Backup Operators can override security restrictions for the sole
purpose of backing up or restoring files
Members

-----
The command completed successfully.

C:\Documents and Settings\Administrator>net localgroup "Power Users"
Alias name     Power Users
Comment       Power Users possess most administrative powers with some restrict
ions. Thus, Power Users can run legacy applications in addition to certified ap
plications
Members

-----
The command completed successfully.

C:\Documents and Settings\Administrator>net localgroup "Users"
Alias name     Users
Comment       Users are prevented from making accidental or intentional system-
wide changes. Thus, Users can run certified applications, but not most legacy a
pplications
Members

-----
NT AUTHORITY\Authenticated Users
NT AUTHORITY\INTERACTIVE
The command completed successfully.

C:\Documents and Settings\Administrator>net localgroup "Guests"
Alias name     Guests
Comment       Guests have the same access as members of the Users group by defa
ult, except for the Guest account which is further restricted
Members

-----
Guest
IUSR_OMIKA-E0696295E
The command completed successfully.

C:\Documents and Settings\Administrator>net localgroup "Remote Desktop Users"
Alias name     Remote Desktop Users
Comment       Members in this group are granted the right to logon remotely
Members

-----
The command completed successfully.

C:\Documents and Settings\Administrator>net localgroup "Replicator"
Alias name     Replicator
Comment       Supports file replication in a domain
Members

-----
The command completed successfully.
```