IBM Network Station Family of Thin Clients
Access for today, flexibility for tomorrow

Network Station Manager V2R1
Network Station Login

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e-business

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Login: Objectives

- **Authenticate user**

- **Load user configuration information**

- **Initialize desktop environment**
  - ▶ **Create mount points**
  - ▶ **Set environment variables**
  - ▶ **Process NSM directives**
  - ▶ **Start the window manger**

- **Process logout events**

- **Cleanup and reinitialize system environment**
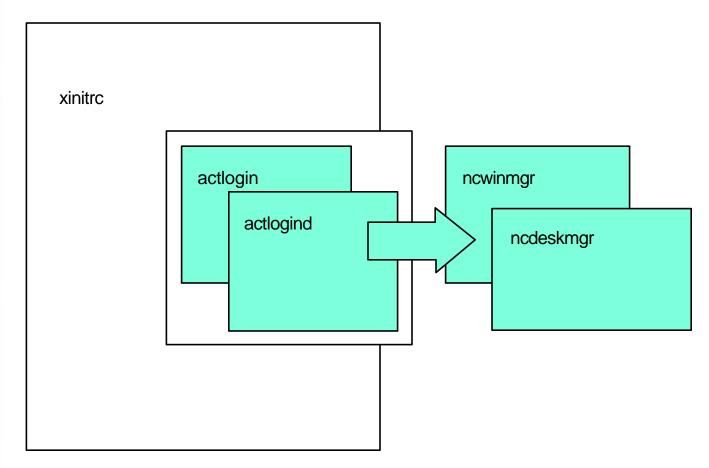
Login: What's New

- **Network Station Login is now two programs**
  - ▶ **Rational**
    - Mutually exclusive task sets
    - Performance
    - Logout considerations
    - Design flexibility
  - ▶ **actlogin tasks**
    - Display login GUI
    - Obtain user credentials
    - Authenticate user
    - exec() actlogind
  - ▶ **actlogind tasks**
    - Initialize user environment
    - Start window manager / desktop
    - Logout clean up

Login - Logout Process Flow

xinitrc

actlogin

actlogind

ncwinmgr

ncdeskmgr

Login: What's New

- **True Kiosk Mode**
  - ► **No authentication**
  - ► **User profiles are not loaded**
  - ► **No user registry created**
  - ► **Create mount points in IFS**
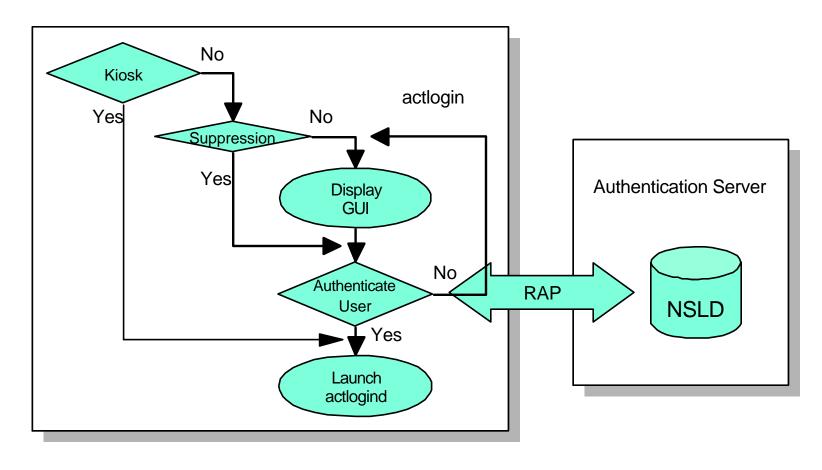
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Login: What's Changed

- **V1R3 "kiosk" mode now V2R1 "suppression" mode**
  - ►**$TermBase/ncs/kiosk.nsl**
  - ►**Copied to /tmp for actlogin visibility**

- **User configuration from XML**
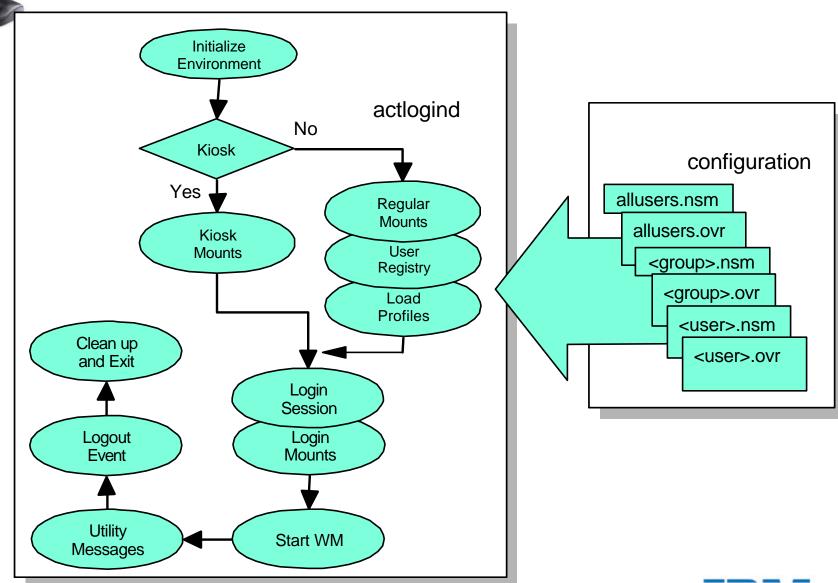
- **V1R3 Taskbar replaced with V2R1 Launchbar**

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Actlogin Flow

GUI and Authentication

Kiosk — No / Yes

actlogin

Suppression — No / Yes

Display GUI

Authenticate User — No / Yes

RAP

Launch actlogind

Authentication Server

NSLD

Actlogind Flow

Environment Initialization

- Initialize Environment
- Kiosk
  - Yes → Kiosk Mounts
  - No → Regular Mounts → User Registry → Load Profiles
- Login Session
- Login Mounts
- Start WM
- Utility Messages
- Logout Event
- Clean up and Exit

actlogind

configuration
- allusers.nsm
- allusers.ovr
- <group>.nsm
- <group>.ovr
- <user>.nsm
- <user>.ovr

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NSLD

- **V2R1 NSLD backward compatible with V1R3**
  - ▶ **Services requests from V2R1 <u>and</u> V1R3 clients**

- **User Configuration Server based on NS IP Address**
  - ▶ **Function PTFed in V1R3**
  - ▶ **Configuration Server platform restrictions**

Advanced Information

- **Use of editres to change login GUI**
  - /usr/X11R6/bin/editres
  - /etc/actlogin.conf
  - Make backup copy!

- **Adding customer-specific error messages**
  - /nls/xx_XX/Login MRI file
  - Must change each language that will be used

- **Kiosk mode implementation**
  - SET NSM_KIOSK_MODE ON
  - /desktop/preferences:desktop_command
  - No user profiles loaded => Some NSM options will not take effect
  - Launching several kiosk applications

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