L02 - ThinManager Basic Lab
Experience the Platform’s Power and Simplicity
Agenda

ThinManager Slides (5 Minutes)

ThinManager Hands on Lab (85 Minutes)
ThinManager
Content Delivery and Device Management Platform for the Connected Enterprise

ThinManager provides centralized configuration and secure delivery of content

Content Types
- PanelView
- HMI
- ERP
- MES
- CMMS
- Web Content
- IP Camera

...AND MORE!

Delivery
- Devices
  - Android
  - iOS
- Users
  - User X
  - Group X
  - Role X
- Location
Deliver sessions to multiple monitors and/or virtual screens on a single thin client

Deliver virtual desktops or manage PCs as thin clients

Access feeds from USB & IP cameras

PanelView Plus Remote Desktop to HMI (via VNC)

Deliver content to the right person at the right time and place

VersaView 5200 Industrial Thin Clients

Deliver applications based on what is assigned to the terminal or user.

ThinManager provides secure configuration and delivery of content to any combination of device, user and location.

ThinManager can easily assign content to users. This allows applications to follow a user as they move from terminal to terminal.

Applications & Content

ThinManager

Application Delivery

OFFICES

PC

HMI

MES

ERP

HTTP

CMMS

HMI

MES

HTTP

ERPCMMSSessionDeliveryVirtualDesktopsThinManager
deliversessionsmultmonitorsvirtualscreensonsinglethinclient
accessfeedsUSBIPCPCameraPanelViewPlusRemoteDesktoptoHMI(VNC)
delivercontenttothepersonrighttimelaceVersaView5200IndustrialThinClientsdeliverapplicationsbased
onwhatassignedterminaloruserThinManagersecureconfiguration
deliverycontentcombinationdeviceuserlocation
thinmanagerassigncontentusersallowapplicationsfollowuserfromterminalterminal
Traditional Automation Network
Dedicated PCs for Dedicated Applications
ThinManager Solution
Replace PCs with Thin Clients and Manage Centrally

Control Room

Server Room

Plant Floor

Plant Floor Offices
Managed Thin Client Benefits

- Lower total cost of ownership than PCs over the lifetime of the system:
  - Less likely to fail because they don’t have hard drives or fans
  - Easier to replace when they do fail, significantly reducing downtime
  - Smaller and require less power to operate and cool
  - Fewer client operating systems to manage

- More secure:
  - No local storage – nothing is stored on device
  - Can eliminate the Windows Desktop
  - USB ports are disabled by default for everything except and keyboards/mice
Positioning

- ThinManager is purpose-built. It is a content and device management solution designed specifically for manufacturing environments.
- ThinManager is an OT-centric solution.
  - Reliance on IT is reduced allowing the critical plant floor content to be owned and managed by Engineering and Maintenance.
- ThinManager is simple to deploy and manage.
- ThinManager is the only end to end solution that manages everything from the server side down to the client itself.
- ThinManager’s flexible content management, delivery and visualization options are unique to the product.
### ThinManager 10.0 Release Summary

#### PRODUCTIVITY
- Authentication Pass Through
- Tiling, Virtual Screen and Camera Support for WinTMC
- VNC Support for PanelView 5000
- Separate Active X Events
- Support for up to 6 monitors on a single terminal (compatible hardware required)

#### VISUALIZATION
- PIN Authentication
- Password Caching

#### SECURITY
- iPhone Device as a Beacon
- Enhanced Touch Support

#### MOBILITY
- Server 2016 Support
- Multiple Domain Support
- Improved Session Scaling Performance
- Writable Custom Variables

#### MISC.
- Requires FactoryTalk View v10
Using the VMware Images

- This lab uses four different VMware images running on the lab computer. The majority of the lab will be performed on RDS1. The four images are:

2. HMI Server – Windows Server 2012 R2 – HMI.TMLAB.LOC
Using the VMware Images

- Every time you need to change images to perform a portion of the lab, you will see the VMware menu bar. Please refer to the visual below with the image name circled.

- Also, avoid excess typing in the lab by **right clicking** the Notepad shortcut on the Windows taskbar within RDS01 and selecting LabPaths.txt – all of the paths required in the lab are pre-entered here for your convenience.
Thank You!