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Tivoli Manager for Retail Datasheet

Product overview

Tivoli Manager for Retail is the first Tivoli management product designed for the retail industry. Leveraging the solid performance of IBM 4690 OS and Tivoli's Enterprise Console, Tivoli Manager for Retail offers these core features:

- *Rapid Installation*
- *Centralized management and monitoring of all store controllers*
- *Remote process and application control*
- *Automated reporting and response.*

Centralized management and monitoring of store controllers

Tivoli Manager for Retail is comprised of a management server running on a Windows NT 4.0-based Tivoli gateway system and a retail agent that runs on a 4690 OS store controller. From the management server, the system administrator can configure, troubleshoot, and/or manage as many as 300 store controllers. Configuration of monitored events is handled from the server's administration GUI.

Remote process and application control

From the Tivoli Manager for Retail server, the administrator can run applications on the store controllers, transfer software or data files, and manage other system resources. This remote process control can be fully automated in response to controller events with the addition of Tivoli Enterprise Console.

Automated reporting and response

The Tivoli Manager for Retail agent also acts as an event monitor on the individual controller. From the retail server an events-based filter is defined and deployed to the 4690 controller. Once configured, appropriate events are returned to the server, written to a log and forwarded to Tivoli Enterprise Console for reporting or further processing. The integration to Tivoli Enterprise Console allows automation of tasks or emergency procedures in response to these events. This automation is, of course, configurable by the systems administrator according to store policies and the client's business model.

Tivoli Manager for Retail

System Requirements

Tivoli Manager for Retail server must run on a Tivoli managed node.

Managed Node Software Requirements

Operating System

- Windows NT, Version 4.0 with Service Pack 4 (SP4), plus Year 2000 updates, or later
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Tivoli Products

- Tivoli Management Framework, Version 3.6.1 (required), installed as a managed node and, for use with the TME event log adapter, installed as an endpoint
 - Tivoli Enterprise Console (TEC), Version 3.6.1, Windows NT Event Log Adapter (required), as follows:
 - TME Event Log Adapter (installed on the endpoint), or
 - Non-TME Event Log Adapter (installed on the managed node)
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Other Required Products

- TCP/IP
 - IBM Java Runtime Environment (JRE) 1.1.7 (included on the Manager for Retail CD and automatically installed)
 - Swing 1.0.3 (included on the Manager for Retail CD and automatically installed)
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Hardware Requirements

All NT systems require a minimum of 9 MB of free disk space and 139 MB of memory. This is in addition to the space required for the management platform.

4690 Store System Controllers

Software Requirements

Manager for Retail can be installed on 4690 controllers running the following:

Operating System

- 4690 Operating System, Version 1 maintenance level 9800 or later, or Version 2 (Note: If you have Version 1 maintenance level 9920 or Version 2 Release 2, a Tivoli pipe is available for use by Manager for Retail. This level is recommended.)
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Other

- 4690 TCP/IP
For controllers running Version 2 of the 4690 Operating System, 4690 TCP/IP is shipped as part of the operating system and you just need to configure it appropriately. For controllers running Version 1 of the operating system, you must purchase and install the 4690 TCP/IP Feature. For more information on the 4690 TCP/IP Feature, see the Web support page for the IBM Retail Store Solutions: <http://www.raleigh.ibm.com/rds/>
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Hardware Requirements

All 4690OS systems require a minimum of 600 KB of free disk space and 500 KB of memory for event processing. This space is in addition to the space requirements for the management platform.

The Tivoli pipe requires 64 KB of memory. Approximately 200 KB of memory will be dynamically allocated and de-allocated for command processing.

Management service	What it does	What it means to you
Centralized management and monitoring	Allows a group of a minimum of 100 controllers to be administered from a single Retail Management server*	Standardization and consolidation of store system management functions
Remote process and application control	Allows an administrator to run remote applications and processes for a minimum of 100 controllers from a single Retail Management server*	Repetitive processes can run automatically without administrator intervention. Applications and processes can run without anyone being logged in to each controller.
Automated reporting and response	Allows an enterprise to filter, track and respond to events generated by 4690 OS via the Tivoli Enterprise Console	Event and response management is handled by TEC, allowing for better reporting and quicker response times in an emergency. Allows a consolidated view of and response to events for all of the IT resources in the store.

* While a specific instance of the controller can handle over two hundred controllers, actual capacity is a function of the number of events filtered upwards from the stores to the server. The actual capacity can only be determined by analyzing the customer's needs and the network topology in which the Tivoli Manager for Retail resides.



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Tivoli Systems Inc.
9442 Capital of Texas Highway, North
Austin, Texas 78759
USA

Tel: (512) 436-8000

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