

HP

Automation Integration Software

Windows NT® and UNIX®

HP RTAP for Unix HP B2771A/74A/77A
HP RTAP for Windows NT HP E4380A
HP Visualizer for Windows NT HP E9026AA/27AA/28AA
HP Enterprise Link for HP-UX HP E2700BA
HP Enterprise Link for Windows NT HP E2702BA



A family of software products that integrates your plant and your enterprise

Information technology gives your industry a tremendous opportunity to optimize profitability by automating your plants and your business processes. However, the constant improvement of that technology creates a new challenge – making all the pieces work together without spending more money than the automation saves.

In this climate of progress married to practicality, you need integration solutions that can utilize the strengths of your existing control systems and real-time applications. HP Automation Integration Software offers you a solid foundation of open and adaptable products that deliver on the promise of cost-effective integration within your plant and between all levels of your enterprise.

Consider the Automation Integration Architecture

HP's automation integration architecture takes a flexible approach to integration, enabling you to convey information from the control level to the plant level, and from the plant all the way up to the enterprise.

HP RTAP, working in concert with HP Visualizer, is full-service SCADA software that also has the ability to integrate your plant processes. Gathering data from diverse sources, HP RTAP turns that data into information, and feeds that information to standards-based client applications.

Just as HP RTAP provides SCADA and plant integration, HP Enterprise Link ties your plant to the enterprise. Uniting operational information with your enterprise resource planning (ERP) system, HP Enterprise Link supports business functions such as order fulfillment and asset effectiveness.

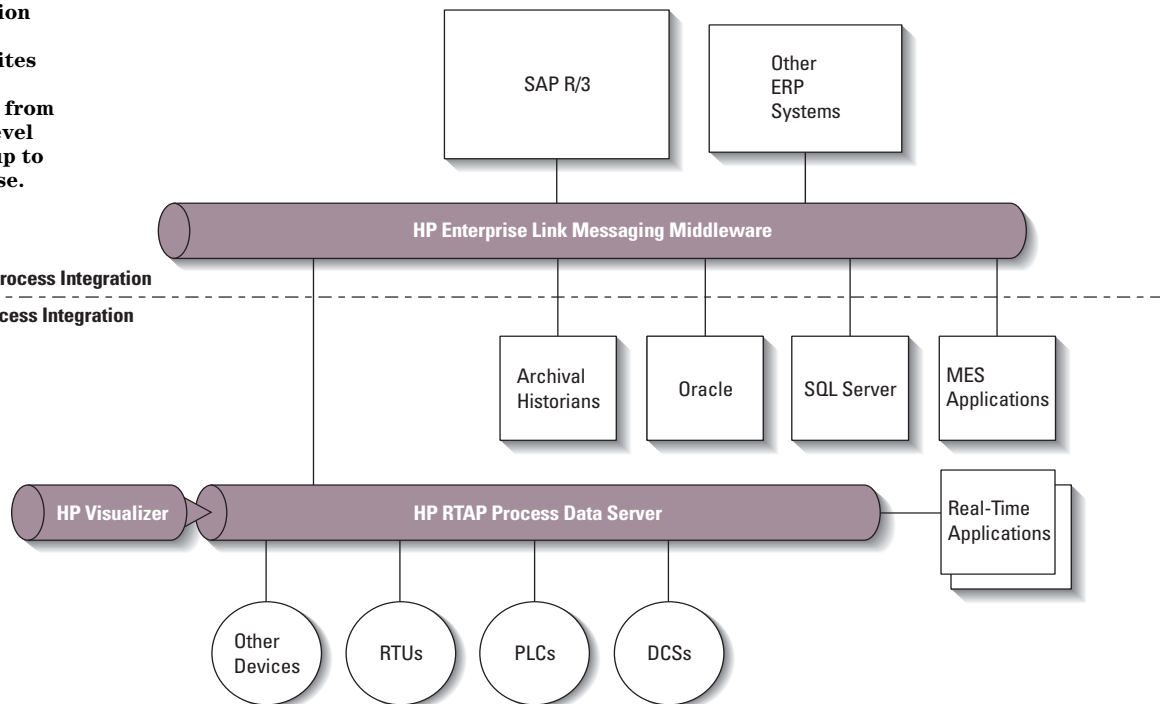
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HP Automation Integration
Software unites systems and applications from the device level all the way up to the enterprise.

Enterprise-to-Process Integration

Process-to-Process Integration



HP RTAP Real-time Data Server

Within HP's automation integration architecture, HP RTAP provides flexible, scalable and dependable process integration and SCADA solutions, especially for medium to very large systems. HP RTAP's software modules allow you to

- gather high-speed, high-resolution data from diverse and remote real-time sources
- manipulate data into intermediate values
- manage events and alarms
- view and report on trends in the data
- interact with different clients used by system operators
- feed data to other systems and applications

The object-oriented technology at the heart of the HP RTAP database lets you create and manage intuitive data structures that match the natural hierarchy of your operations and processes.

For large, distributed systems, HP RTAP's inherent networking strength enables access to multiple databases across any TCP/IP network, and across UNIX- or Windows NT-based servers. Our use of ActiveX component software and standards such as OPC and ODBC makes it easy to use HP RTAP with a host of business, process and desktop applications. And HP RTAP is proven, mission-critical software with thousands of SCADA and process integration installations around the world.

HP Visualizer HMI

The HP Visualizer human-machine interface (HMI) works in concert with HP RTAP to place streams of process data in a meaningful, visual context. HP Visualizer gives you the power to create detailed process graphics representing an HP RTAP system and animate those graphics by linking them to real-time data. With HP Visualizer you can

- use a Windows NT-based HMI for HP RTAP data servers
- make seamless connections to your real-time information
- link process graphics to data by dragging and dropping
- reuse process graphics through versatile relative addressing
- monitor and control different types of process systems with a single HMI
- extend your HMI quickly using component object technology

The HP Visualizer is a Windows NT-based client that can connect to one or more HP RTAP servers running on UNIX or NT. This versatility lets you choose the platforms and the degree of distribution that your supervisory control applications require.

HP Enterprise Link Messaging Middleware

With its certified integration framework, HP Enterprise Link is messaging middleware that unites enterprise resource planning (ERP) systems such as SAP R/3 with real-time control systems from a variety of leading control vendors. Use HP Enterprise Link to

- map data between ERP systems and control systems using an intuitive graphical interface
- trigger messages for information uploads and downloads using flexible trigger criteria
- trace and test data flow interactively

Running on HP-UX or on Windows NT, HP Enterprise Link can unite any mix of control systems and applications with enterprise resource planning systems. With an information channel extending from the enterprise to the operation, decision-makers have access to essential real-time operating information.

Set the Stage for Integration

In today's climate of progress married to practicality, Hewlett-Packard can help you move forward with confidence. HP's automation integration architecture lets you reuse existing control systems and plant applications, and lets real-time data flow to the users and applications that need it. Our family of automation integration software sets the stage for open, cost-effective solutions that help you reach your ultimate goal: optimized profitability through plant and plant-to-enterprise integration.

HP Automation Integration Software

Related Literature

If you'd like to learn more about the automation integration family of software products, contact your nearest Hewlett-Packard sales representative and request the following publications:

5967-5838E	HP RTAP
5965-6300E	HP Visualizer
5965-2997E	HP Enterprise Link

Or visit the HP Automation Integration Software web site at www.hp.com/go/ais

For more information about Hewlett-Packard test & measurement products, applications, services, and for a current sales office listing, visit our web site, <http://www.hp.com/go/tmdir>. You can also contact one of the following centers and ask for a test and measurement sales representative.

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