

## Integration between applications running on HP NonStop servers and TIBCO applications

Solution brief

HP NonStop server customers using TIBCO products for enterprise integration may wish to integrate their HP NonStop server applications into the TIBCO environment. Several TIBCO products are available to facilitate this integration.

TIBCO software supports various adapters, which act as gateways or bridges between the TIBCO integration infrastructure and other environments. There are many types of TIBCO adapters, but the significant ones are the Network Technology Adapters, which enable integration of other application technologies. The following TIBCO adapters are relevant for HP NonStop server applications:

- TIBCO Adapter for MQSeries
- TIBCO Adapter for Web Services (SOAP/HTTP)
- TIBCO Adapter for Tuxedo
- TIBCO Adapter for CORBA
- TIBCO Adapter SDK

These adapters enable applications running on HP NonStop servers to integrate and interoperate with other applications using the TIBCO infrastructure. Generally, these adapters support integration with TIBCO Enterprise Message Service (EMS) and Rendezvous, as well as with appropriate TIBCO ActiveMatrix products, such as BusinessWorks. The adapters are installed and configured on systems running the TIBCO software, and they interoperate with the target application using its native protocol. HP NonStop server applications do not have to do anything “special” to communicate with TIBCO applications; they only need to use their native programming model and interfaces. The adapters will perform all the necessary data and protocol

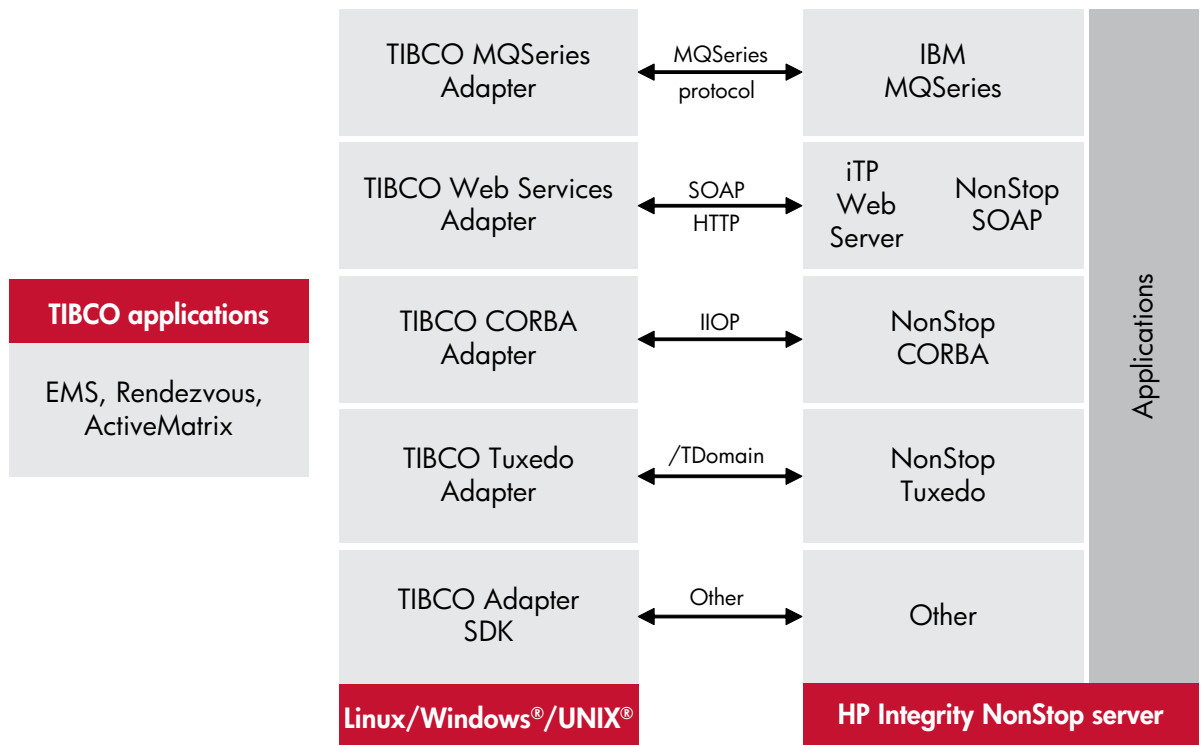
translation. There is no requirement to run any TIBCO software on the HP NonStop server. See the figure for a graphical illustration of the integration of TIBCO and HP NonStop server applications.

## TIBCO Adapter for MQSeries

With this adapter, HP NonStop server applications using IBM MQSeries can send and receive messages to and from TIBCO queues and applications using the native IBM MQSeries programming interfaces. Both request/response and publish/subscribe messaging paradigms are supported. The necessary mappings between IBM MQSeries and TIBCO message queues are configured to the TIBCO adapter. The TIBCO adapter behaves as a regular MQSeries application and subscribes to the configured MQSeries topics and queues, and then forwards messages as appropriate between the TIBCO and MQSeries environments.

## TIBCO Adapter for Web Services

While they are not technically adapters, ActiveMatrix products such as BusinessWorks have built-in support for access to remote services using the standard SOAP over HTTP protocol. Such services running on HP NonStop servers may therefore be defined to and accessed by TIBCO applications. Nothing special is required of the HP NonStop services, which use standard SOAP over HTTP. Definition of the HP NonStop services to the TIBCO environment is through the standard Web Services Description Language (WSDL) service description. Providing the HP NonStop services requires the use of HP iTP WebServer and a SOAP infrastructure, such as NonStop SOAP, or one of the open-source Java™ frameworks such as Apache Axis2.



## TIBCO Adapter for Tuxedo

With this adapter, NonStop Tuxedo applications can be integrated with TIBCO applications using regular Tuxedo ATMI programming interfaces. The adapter mediates bidirectional access between TIBCO applications and NonStop Tuxedo applications. The TIBCO applications look just like any other Tuxedo service to the NonStop Tuxedo applications. Request/response, conversational, queue, and event-based communication paradigms are supported. The TIBCO applications offered by the adapter are configured as local Tuxedo services to the Oracle® Tuxedo domain, and as remote Tuxedo services to the NonStop Tuxedo domain. NonStop Tuxedo applications are also configured as remote services to the Oracle Tuxedo domain. Interoperability between the applications is through the standard Tuxedo /TDomain protocol.

## TIBCO Adapter for CORBA

This adapter enables NonStop CORBA applications to be integrated with TIBCO applications using the standard CORBA programming model and the Internet Inter-Orb Protocol (IIOP) interoperability protocol.

## TIBCO Adapter SDK

Along with other specific adapter types previously described, TIBCO also provides an adapter software development kit (SDK)—a toolset that can be used to implement customized adapters between TIBCO and HP NonStop server applications for which the other types of adapter are not appropriate.

## For more information

The following TIBCO documentation sources provide further detailed information about the features, applicability, and usage for each adapter. To learn more or to acquire an adapter, please contact the appropriate TIBCO account representative.

TIBCO Adapters Overview datasheet  
[http://www.tibco.com/multimedia/ds-adapter\\_tcm8-753.pdf](http://www.tibco.com/multimedia/ds-adapter_tcm8-753.pdf)

TIBCO Adapter for MQSeries datasheet  
[http://power.tibco.com/content/pa-cfwapps01.tibco.com/publish/Document/358032\\_10927320cbe\\_-7fc90a6ac81ca425.doc?rev=2&action=download&\\_property=Attachment](http://power.tibco.com/content/pa-cfwapps01.tibco.com/publish/Document/358032_10927320cbe_-7fc90a6ac81ca425.doc?rev=2&action=download&_property=Attachment)

Detailed technical publications for all TIBCO adapters (free registration required)  
<https://power.tibco.com/pubslib/>

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