

# Microsoft BizTalk Server Administration Console: Quick Start Guide

The BizTalk Server Administration Console is a Microsoft Management Console (MMC) used to deploy, manage, monitor, and troubleshoot applications.

To start the BizTalk Server Administration Console on the Aeos application server,  
on the **Apps** screen, click **Business Server Administration** in the **Microsoft BizTalk Server** group.

Open the BizTalk Group for the BizTalk server to open its Group Overview. Expand the Applications node to find the Huron BI or WorkManagement applications.

**BizTalk system default applications**

**Huron installed applications**

**Key components for Huron tools**

**Active in the system**  
as of the last refresh, press  
F5 for current numbers

**Investigate these problem items**

**Drill down by buckets**

**Group Overview**

Refresh this page to update results (press F5)

**Configuration Overview**

Group name: BizTalk Group  
Server: PM-QA04  
Database: BizTalkMgmtDb

[Applications \(5\)](#)  
[Host Instances \(49\)](#)  
[Adapter Handlers \(62\)](#)

[Learn about Administration and Troubleshooting](#)

**Work in Progress**

[Running service instances](#) 4  
- [Dehydrated orchestrations](#) 1  
- [Retrying and idle ports](#) 0  
- [Ready service instances](#) 1  
- [Scheduled service instances](#) 0

**Suspended Items**

[Suspended service instances](#) 848  
- [Resumable](#) 848  
- [Non-resumable](#) 0

**Grouped Suspended Service Instances**

[Grouped by Application](#)  
Microsoft.Practices.ESB 848

[Grouped by Service Name](#)  
ALL Exceptions 848

[Grouped by Error Code](#)  
0xc0c0167a (Transmission Failure) 848

[Grouped by URI](#)  
SQL://PM-QA04/ESBExceptionDb/ 848

On the Group Overview page, the Group Hub tab shows the BizTalk components that are currently active in the system.

## Suspended Items

When troubleshooting, focus first on Suspended Items since these are the items that are most likely to have errors. Click **Suspended service instances** to open a new query tab containing messages that have stopped.

**Query Expression**

Field Name	Operator	Value
Search For	Equals	Suspended Service Instances
Group Results By	Equals	Service Instance Status
Maximum Matches	Equals	50
Group Results By	Equals	Host Name

**Query results (2 items were found):**

Service Instance Status	Host Name	Service Class	Service Name	URI
Suspended (resumable)	WorkItemAssignmentOrchHost			

**Preview for the selected query result (one item was found)**

Service Name	Application	Service Class	Status	Creation Time	Error Code
WorkItemAssign...	Huron.WorkMan...	Messaging	Suspended (resu...	10/25/2012 3:52...	

- ☐ Adjust the query expression as needed to view the results that are relevant.
- ☐ Adding the **Group Results By Equals Host Name** or **Group Results By Equals Service Name** statements are often used query modifications

Open a suspended message in the Preview list to view its details.

**Service Details**

**General** | **Error Information** | **Messages**

Error Code: 0xC0C01B4D (Subscribing Service is Stopped)

Suspend Time: 12/13/2012 9:55:07 AM

Error Description:

Service instance was suspended because the corresponding service (orchestration, sendport, ...) was in the stopped state. Instance can be resumed after corresponding service is started.

[For more information, see Help and Support Center](#)

OK Cancel Help

The Error Information tab shows the error code and description of why the message was suspended.

## System Components

Expand the BizTalk Group node to view the components relevant to monitoring or configuring an Aeos system.

Applications > Huron.Workmanagement.Applications	
Orchestrations	An orchestration is a business process that subscribes to (receives) and publishes (sends) messages in the BizTalk Server system. It can process data from received messages to construct new messages and send them to recipients. In this manner, an orchestration can be a top-level entity that rolls-up data between multiple receive and send ports, or act as a hand-off point between different services, locations, or resources.
Role Links/Send Port Groups	None used in Aeos
Send Ports	A send port is a service that creates or sends messages from orchestrations. Multiple send ports may need to be analyzed to troubleshoot an orchestration.
Receive Ports	A receive port is a collection of one or more receive locations that define specific data entry points into the BizTalk Server system.
<b>*Receive Locations</b>	A receive location is an endpoint (URL) configured to receive messages. Each receive location contains configuration information for both a receive adapter and a receive pipeline.
Policies	A policy is a grouping of related business rules that are evaluated all at once against a message that is passed in from the application; not used much for Aeos analysis
<b>*Schemas</b>	A schema defines a message structure using the XML Schema definition (XSD) language
<b>*Maps</b>	A map is an XSLT style sheet that specifies the data transformation from source schema documents to target schema documents.
Pipelines	A pipeline specifies the stages of message processing. Not used much for Aeos analysis
Resources	In Aeos, all resources are BizTalk assemblies; not used much for Aeos analysis
Platform Settings	
<b>*Hosts</b>	A host represents a logical set of runtime processes where services, pipelines, and other artifacts can be deployed. It also represents a collection of instances where the deployed items physically run. Hosts can contain items that send, receive, or process messages.
<b>*Host Instances</b>	A host instance is a physical installation of a host in a BizTalk Server.

\*Key artifacts or settings to examine first when analyzing or troubleshooting an Aeos system

## Receive Locations

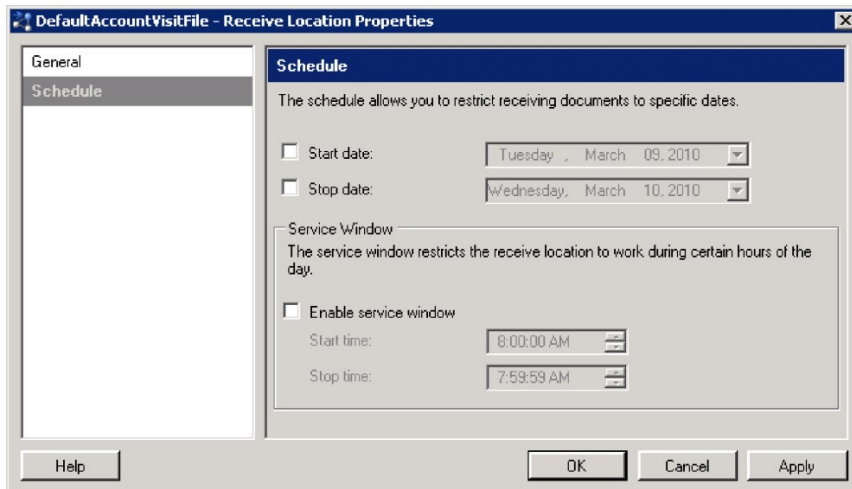
Expand Huron.WorkManagement.Applications and click **Receive Locations** to view their status and configuration. Receive locations are a main area of focus during implementation. They specify how data can come in from multiple sources (files, messages, etc.) to a single receive port, host, or application in BizTalk. Import-related receive locations are the most often analyzed receive locations in Aeos systems; each import has a receive location.

For example, if you are troubleshooting import files, you can sort on transport type and check those of type FILE.

The screenshot shows the BizTalk Server Administration Console. On the left, the tree view is expanded to 'Huron.WorkManagement.Applications' > 'Receive Locations'. The main pane displays a table of receive locations.

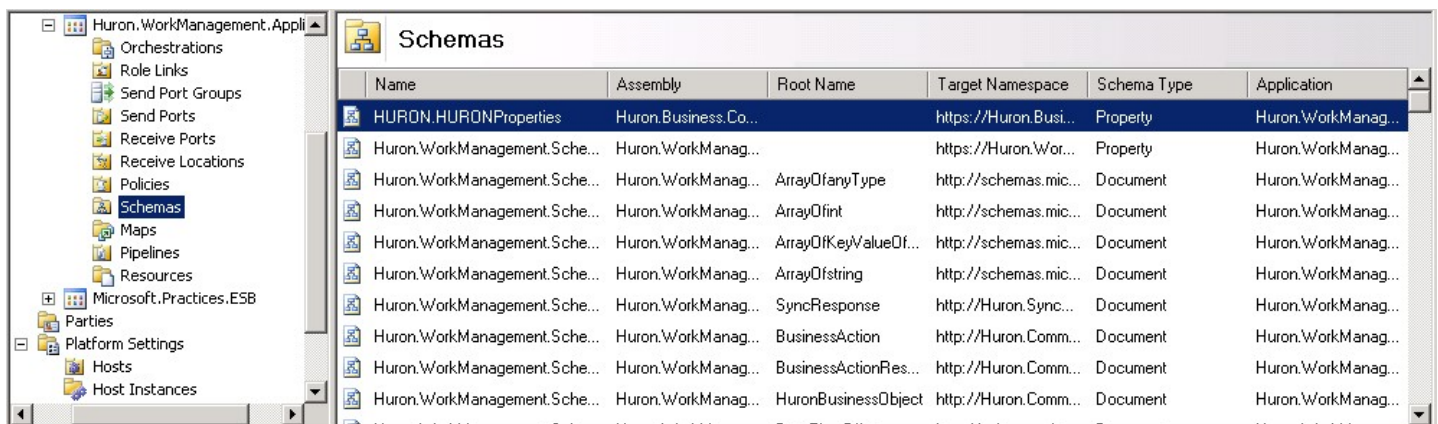
Name	Status	URI	Transport Type	Receive Port	Receive Location
AutoCodingReceiveLocation	Enabled	\\PM-QA04\IMPORT\IN\AutoCoding\*.xml	FILE	AutoCodingRece...	AutoCodingRece...
DefaultAccountVisitFile	Enabled	\\PM-QA04\IMPORT\IN\QONTRAC\*.txt	FILE	DefaultImport	Im
DefaultDenialsImportFILE	Enabled	\\PM-QA04\IMPORT\IN\Denials\*.txt	FILE	DefaultImport	Im
DefaultBillingErrorsImportFILE	Enabled	\\PM-QA04\IMPORT\IN\BillingErrors\*.txt	FILE	DefaultImport	Im
DefaultTransactionCodesImportFile	Enabled	\\PM-QA04\IMPORT\IN\TransactionCodes\*.txt	FILE	DefaultImport	Im
DefaultAccountReset	Enabled	\\PM-QA04\IMPORT\IN\AccountReset\*.txt	FILE	DefaultImport	Im
DefaultTRACAccountFile	Enabled	\\PM-QA04\IMPORT\IN\TRAC\*.txt	FILE	DefaultImport	Im
DefaultScheduleFile	Enabled	\\PM-QA04\IMPORT\IN\SCHEDULE\*.txt	FILE	DefaultImport	Im
DeletedBillHoldFile	Enabled	\\PM-QA04\IMPORT\IN\DELETED\BillingErrors\...	FILE	DefaultImport	Im

Right-click an item and select **Properties** to view and configure its settings. For example, you can change the schedule for when a receive location is active:

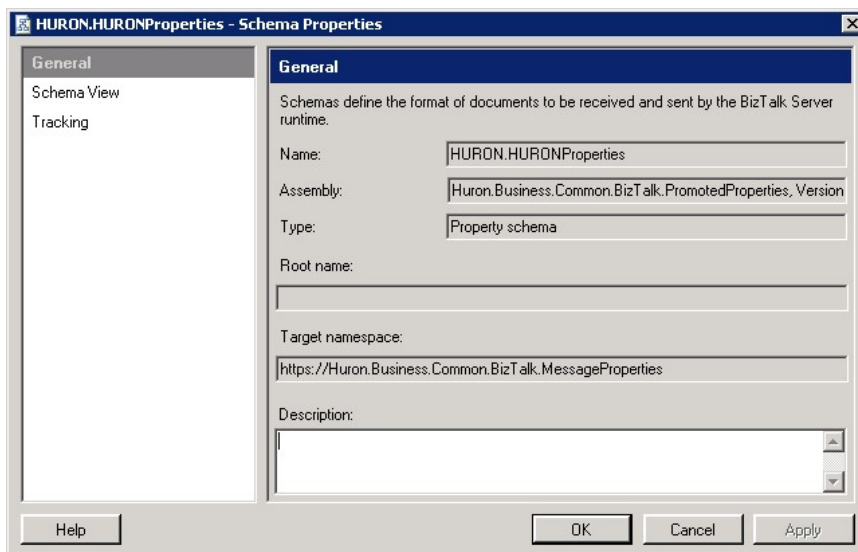


## Schemas

Schemas are the XSD files that define the message structures that are received and sent by BizTalk Server in data integration processes. They are used to specify formats when mapping between client specific and Aeos internal data transformations.



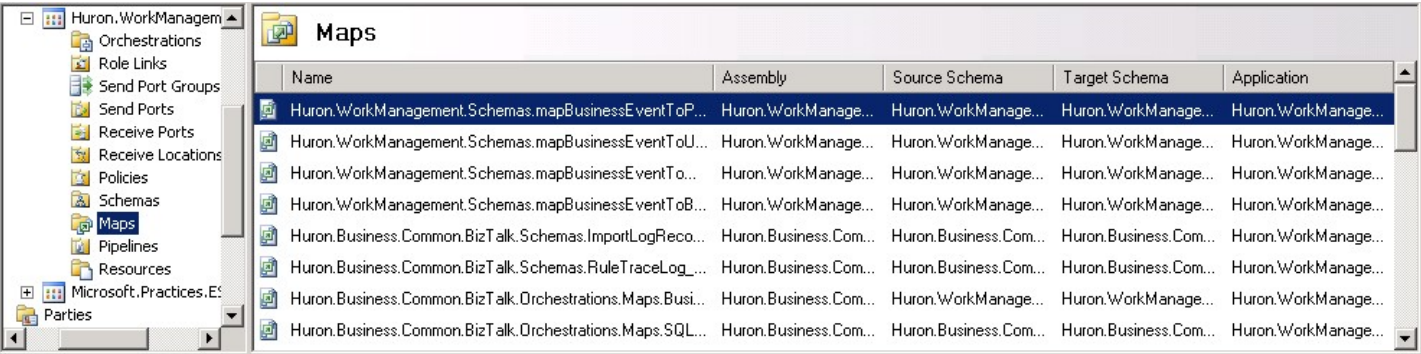
Right-click a row in the table and select **Properties** to view or configure a schema.



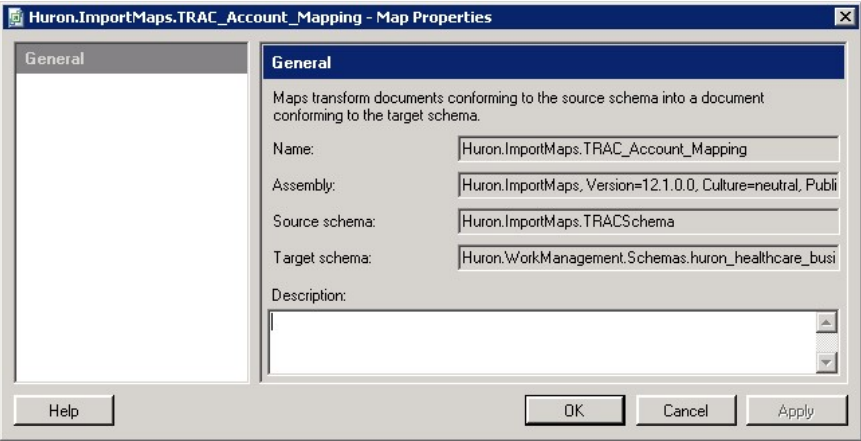


Maps

Maps specify the data transformation between source and target documents during data integration. Aeos maps determine how the client import data is related to the Aeos internal format.

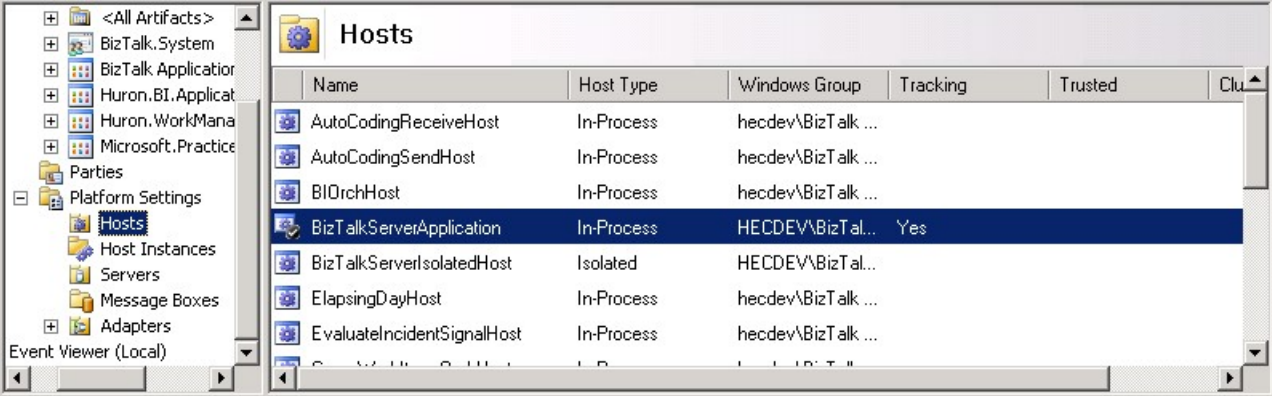


Right-click a row in the table and select **Properties** to open its Map Properties dialog box.

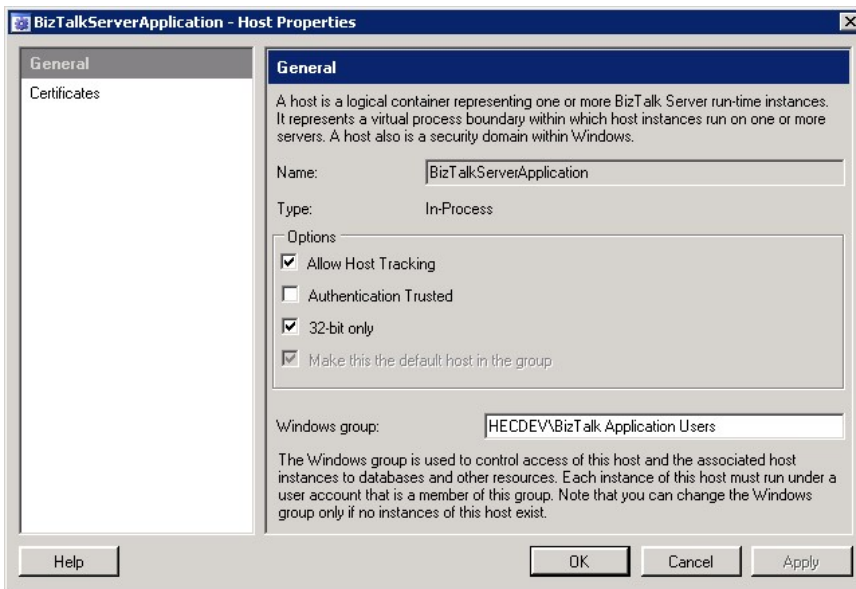


Hosts

Hosts define logical groupings of processes where services, pipelines and other artifacts must be deployed together. They also represent collections of instances where the deployed items physically run. Hosts are installed as part of the baseline build and may be modified temporarily by PIT during implementation for troubleshooting purposes only.

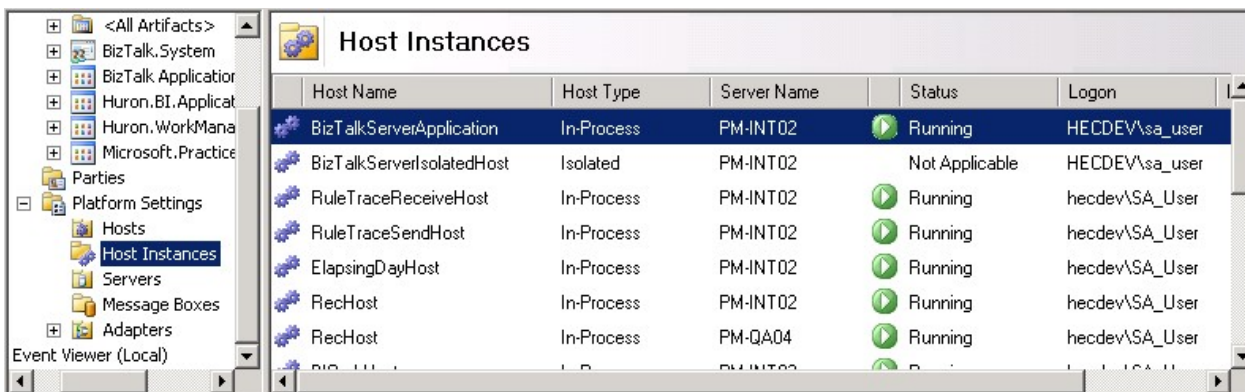


Right-click a row and choose **Properties** to open its Host Properties dialog box



## Host Instances

Host instances are the physical installations of hosts in the system; the actual running entities configured according to their host definitions. Multiple host instances are created to scale out host processes as needed.



Right-click a row and choose **Properties** to open its Host Instance Properties dialog box.



## More Information

For more information about BizTalk Server, see these pages on the Microsoft MSDN site.

- Using the BizTalk Server Administration Console: <http://msdn.microsoft.com/en-us/library/aa578089.aspx>
- BizTalk Server Architecture: <http://msdn.microsoft.com/en-us/library/aa561521.aspx>