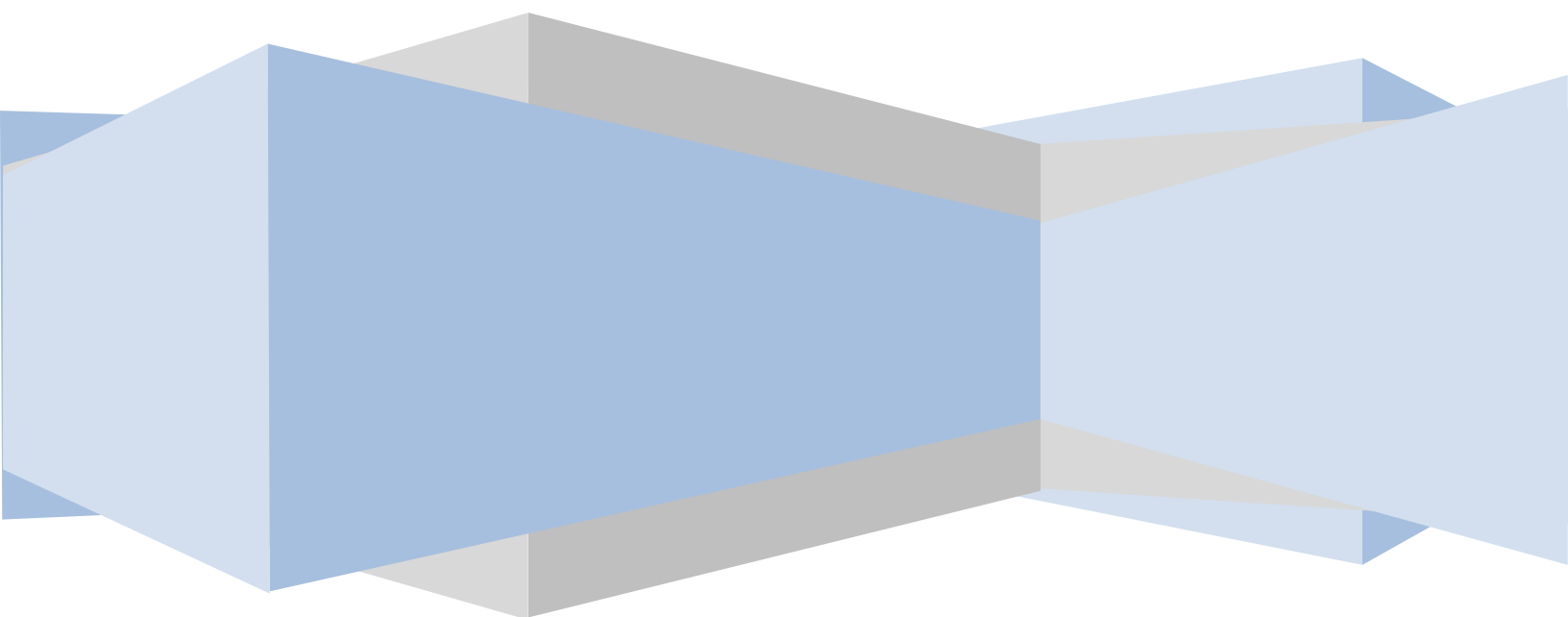


Cognizant Technology Solutions

# Exercises – Delivery & Queues

WebMethods Integration Workshop

WebMethods CoE



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# DELIVERY AND QUEUES

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## Introduction

- When a processing rule includes Delivery of a document by processing action, Trading Network attempt to deliver the document to the partner who is identified as the receiver of the document.
- Trading networks delivers the document to the receiver partner using the delivery method which has been defined by the processing rule
- There are typically four methods to deliver a document
  - Queue for Polling
  - Receiver's Preferred Protocol
  - Scheduled Delivery
  - Immediate Delivery

## Theory

### Guides to complete:

Trading Networks concepts guide.

Trading Networks Administrators' guide.

## Practical

### Queuing Documents for Polling:

Trading Networks uses the Queue for polling delivery method when the Deliver Document By processing action indicates one of the following:

- Queue for Polling selection
- Receiver's Preferred Protocol selection and the preferred protocol in the receiver's profile is Queue for polling

The screenshot shows the 'Processing Rules > Processing Rule Details' window. The left sidebar contains a navigation tree with categories like Monitoring, Administration, and My webMethods. The 'Processing Rules' item is highlighted. The main window displays the details for a rule named 'PurchaseOrderRule' with Ordinal 3, which is enabled and has a description of 'PurchaseOrder'. Below this, there are tabs for Criteria, Extended Criteria, Action, and Pre-Processing. The 'Action' tab is active, showing a list of actions. An 'Edit -Deliver document by' dialog is open, showing two delivery methods: 'Queue for polling' (selected) and 'Receiver's preferred protocol'. Under 'Queue for polling', there is a 'Scheduled delivery' section with a dropdown menu showing 'FlatFileQ'. Under 'Receiver's preferred protocol', there is an 'Immediate delivery' section with a dropdown menu showing 'DeliveryServ1'. The dialog has 'OK' and 'Cancel' buttons.

### Receiver's Preferred Protocol:

- Trading Networks looks up the receiver's profile and uses the delivery method that is identified in the profile as the preferred delivery method.
- In the processing rules we need to select Receiver's referred protocol as a delivery methods. This will select the below mentioned protocol as a delivery protocol.
- Below screen shot show the receiver's profile delivery method

The screenshot shows a 'Delivery Methods' window with a list of methods. The 'Primary HTTP' method is selected. An 'Edit - Primary HTTP' dialog box is open, showing the following fields:

- Host: 208.20.155.245
- Port: 5555
- \* Location: /invoke/wm.tn/receive

At the bottom of the dialog box, the checkbox 'Use as preferred protocol' is checked and highlighted with a red circle. The 'OK' and 'Cancel' buttons are also visible.

powered by webMethods

The screenshot shows the 'Delivery Settings' tab in the receiver's profile. The 'Settings' section contains the following fields:

- Delivery Maximum Retries: [ ]
- Wait Between Retries: [ ] milliseconds
- Retry Factor: [ ]
- Polling Method: [ ]
- Polling Frequency: [ ] minutes
- ☐ Suspend Delivery (All documents will be queued up until delivery is un-suspended)

The 'Delivery Methods' section at the bottom shows the 'Add Delivery Method...' button circled in blue. The 'Preferred Protocol' is set to 'Queue for Polling'.

## Scheduled Delivery:

- Trading Networks queues documents to be delivered at scheduled times. You define scheduled delivery queues in Trading Networks. When you define the queue, you associate both a schedule and a scheduled delivery service with the queue. At the time(s) the schedule indicates, Trading Networks invokes the scheduled delivery service to act on the documents in the queue to deliver them.
- Steps to use Scheduled delivery as a delivery method.
  - Create a delivery service and register that service using **wm.tn.delivery:registerService** service. This will appear in public queues once you register. While registering the scheduled field of the service should be **true**.
  - Please refer the below screen shots to register a service

Source not available.

Execution locale: [(\$null)] No Locale Policy

HTTP URL alias

Pipeline Debug: None

Transient error handling

retry attempts: 0

interval: 0

ersal name

space name

name

it

e auditing: Never

n: Error only

**Input for 'registerService'**

serviceName: SchedulServ1

host: 208.20.155.245

port: 5555

user: 250571

password: manage

ifc: B2BPractice.services

svc: SchedulServ

scheduled: true

☐ Include empty values for String Types

OK Cancel Load Save Help

| Name        | Value                |
|-------------|----------------------|
| serviceName | SchedulServ1         |
| host        | 208.20.155.245       |
| port        | 5555                 |
| user        | 250571               |
| password    | manage               |
| ifc         | B2BPractice.services |
| svc         | SchedulServ          |
| scheduled   | true                 |

- In the TN Console go to tools:Registry:public queues
- Select delivery service you registered and set inputs for that and save it to create the queue.

Public Queues > Queue

Public Queue Information

Name: FlatFileQ State: Enable

Delivery Service: SchedulServ1

Schedule Inputs

Process Queue: Fixed Interval

Interval: 3 Minutes

☐ Do not overlap task

Save Cancel

- In the schedule tab, set the time interval for the service to get invoke

Public Queues > Queue

Public Queue Information

Name: FlatFileQ State: Enable

Delivery Service: SchedulServ1

Schedule Inputs

Process Queue: Fixed Interval

Interval: 3 Minutes

☐ Do not overlap task

Save Cancel

- After creating the queue you can see the queue name in the delivery method of processing rule

\*Name: PurchaseOrderRule

Ordinal: 3

☒ Enabled

Description: PurchaseOrder

Criteria Extended Criteria **Action** Pre-Processing

Add Action... Delete

**Action** Details Edit

☐ Deliver document by

Delivery Type: Scheduled delivery

Delivery Queue: FlatFileQ

Save Save & Close Cancel

**Edit - Deliver document by**

Delivery Type:

☐ Queue for polling ☐ Receiver's preferred protocol

☒ Scheduled delivery ☐ Immediate delivery

FlatFileQ

FFqueue

FlatFileQ

POC

SAN

TestQ

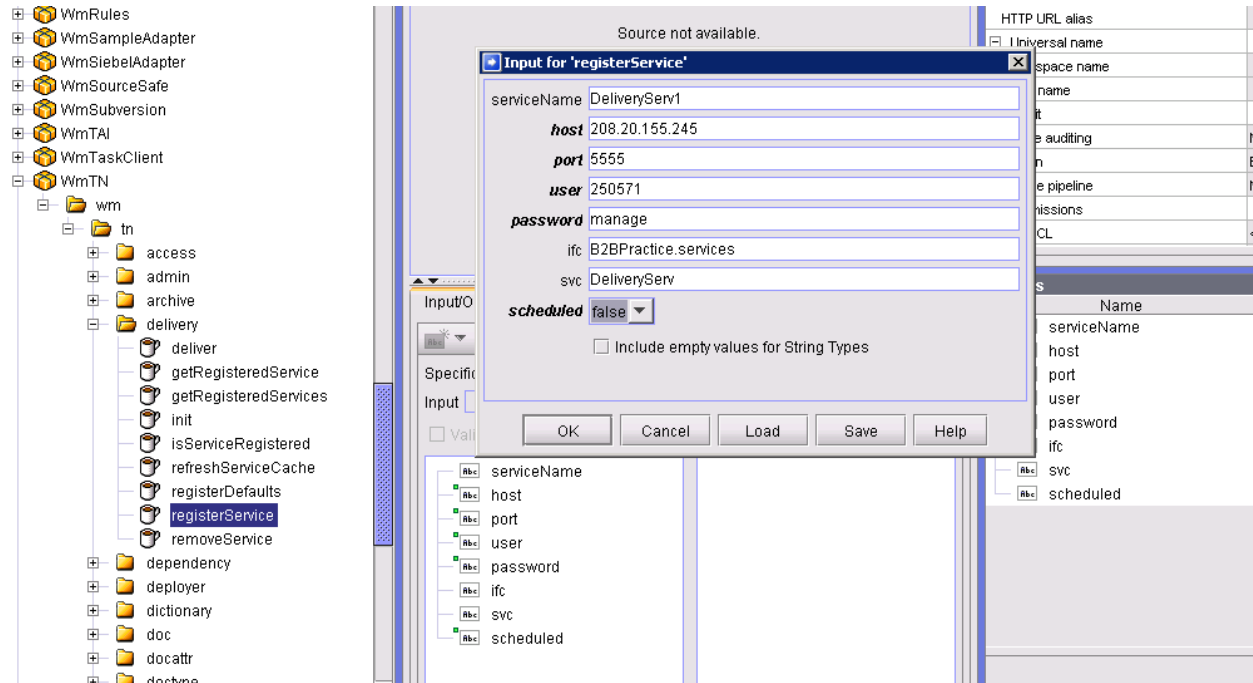
Receiver's Queue

OK Cancel

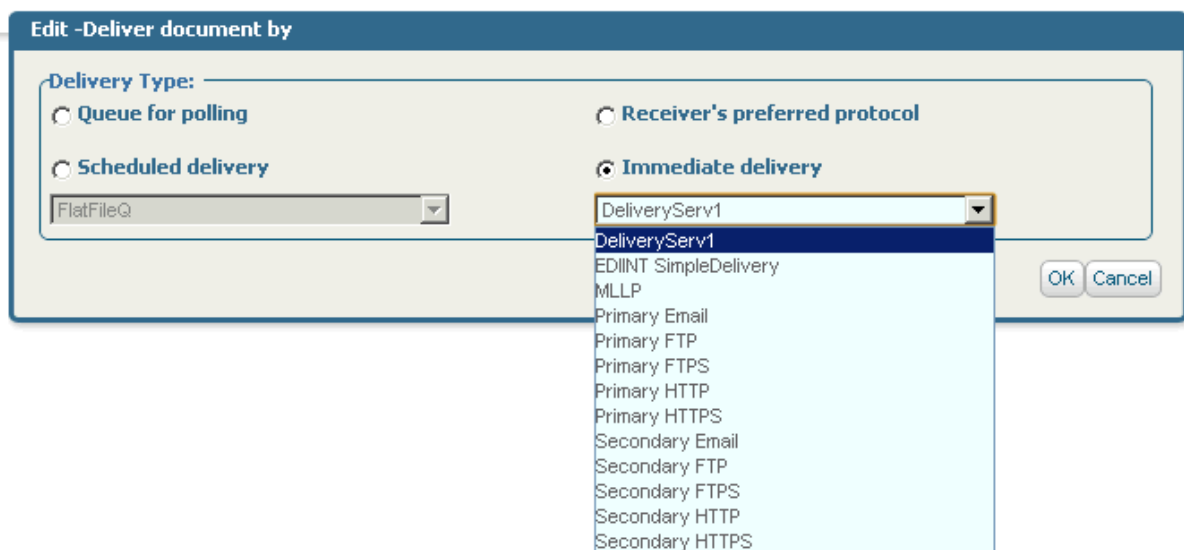


### Immediate Delivery:

- Create a delivery service and register that service using `wm.tn.delivery:registerService` service. This will appear in public queues once you register. While registering the scheduled field of the service should be false



- After registering the service we need to set the delivery method as immediate delivery in the processing rule



**Exercise:**

1. Deliver a document from Partner 1 to Partner 2 with Queue for Polling Delivery Method
2. Deliver a document from Partner 1 to Partner 2 with Immediate Delivery Method
3. Deliver a document from Partner 1 to Partner 2 with Scheduled Delivery Method