



FORUM SYSTEMS SENTRY™ VERSION 8.11 BANKLINE VALIDATION GUIDE



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INTRODUCTION TO THE BANKLINE VALIDATION GUIDE

Audience for the Bankline Validation Guide

The *Forum Systems Sentry™ Version 8.11 Bankline Validation Guide* is for IT or Network Administrators who will build policies for the Forum Sentry API Security Gateway.

Documentation Set

For further information, refer to additional documentation in the Forum Systems product Documentation Set included with your Forum Systems distribution.

FORUM SENTRY BANKLINE VALIDATION OVERVIEW

The Forum Sentry API Security Gateway includes a Validate Bankline task that can be used to validate the message structure of both ISO8583 and MT198 messages that are transferred over MQ and HTTP/S protocols.

This feature requires a license that includes the Bankline Validation option. After applying a license that includes this option, the Bankline Validation feature will be listed under Supported Features on the General Info page of the WebAdmin interface.

SUPPORTED FEATURES

- ActiveMQ
- AMQP 1.0
- AS2
- **Bankline Validation**
- Caching Server
- Clam AV
- Cloud Policies
- Custom Authentication
- FIPS mode
- FTP and OpenPGP Policies
- HTTP Policies

THE VALIDATE BANKLINE TASK

The Bankline validation for ISO8583 and MT198 messages is configured via a Validate Bankline task that is incorporated within a Task List. Once the Task List is built it is associated to either a WSDL or Content Policy in the same way that any other task list or task list group is associated.

The Validate Bankline task can be used in conjunction with other tasks in a task list.

For more information on Tasks, Task Lists, and Task List Groups, please reference the *Forum Systems Sentry™ Version 8.11 Task Management Guide*

Configuration

The Validate Bankline task is included under the Validation and Conformance category of tasks as shown in in Figure 1 below.

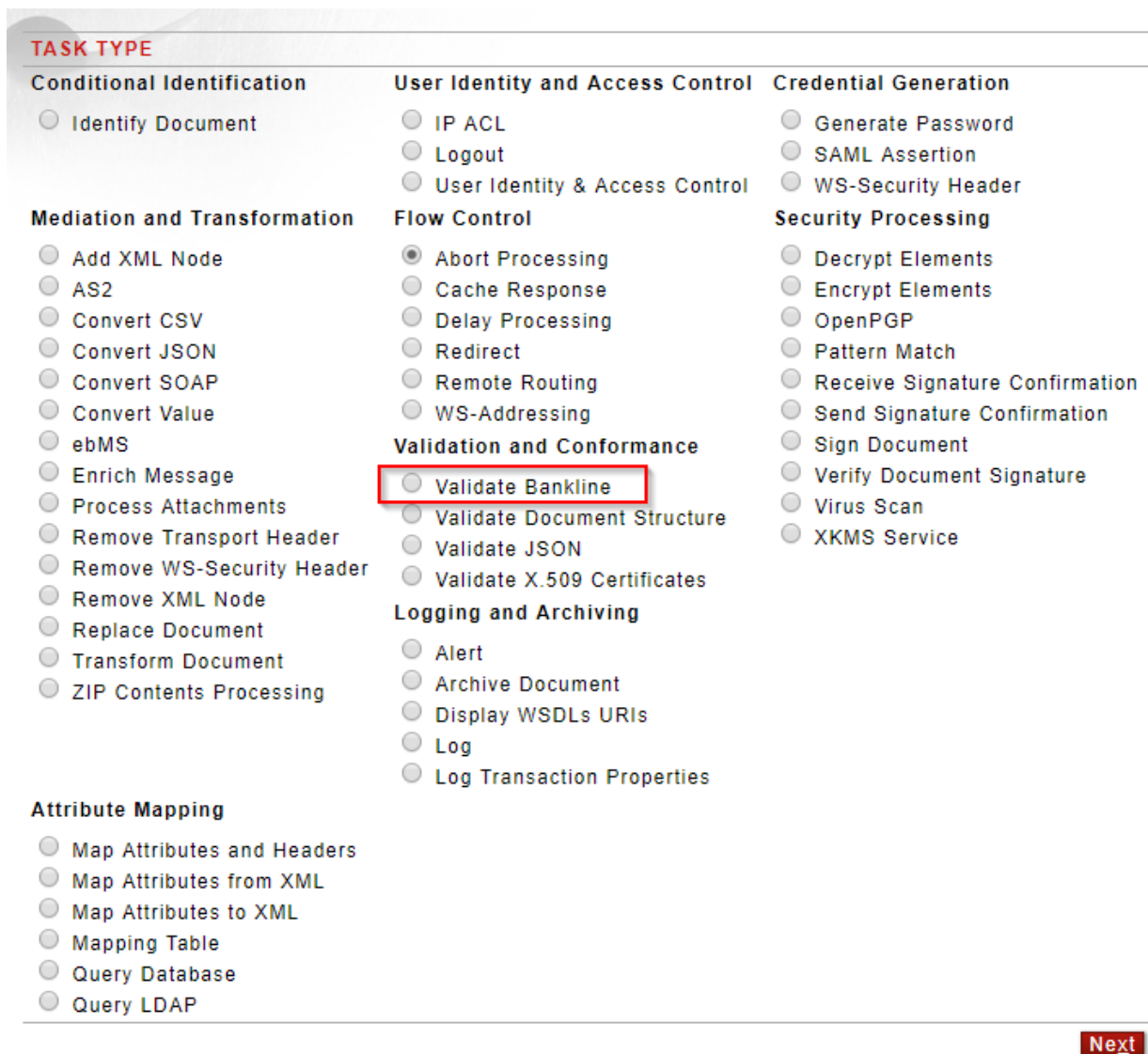


Figure 1. The Validate Bankline Task.

The details of the Validate Bankline task are shown in figure 2 below.

Message Type

The Validate Bankline task contains two Data Validation options for two message types:

1. ISO8583 Bankline message type
2. MT198 Bankline message type

Header Length

The Header Length field is customizable but defaults to 248 bytes.

Sentry skips over and ignores the header bytes of the MQ message body.

Bankline ISO8583 and MT198 data begins after the initial header bytes of the MQ text message body.

The 248 byte header is not part of the ISO8583 and MT198 specifications, but is contained in the MQ message body along with the ISO8583 or MT198 message.

The screenshot shows a web-based configuration interface for the 'Validate Bankline' task. At the top, there is a breadcrumb trail: 'TASK LISTS > TASK LIST: BANKLINE VALIDATION > TASK: VALIDATE BANKLINE'. Below this, the 'BANKLINE VALIDATION' section is visible, containing the following fields: 'Task Type' set to 'Validate Bankline', 'Task Name*' with a text input field containing 'Validate Bankline', and 'On Error:' with two radio button options: 'Log & Halt Processing' (selected) and 'Log & Continue'. The 'DATA VALIDATION' section below it includes 'Message Type:' with two radio button options: 'ISO8583' (selected) and 'MT198', and 'Header Length*:' with a text input field containing '248'. At the bottom right of the form, there are two buttons: 'Apply' and 'Save'.

Figure 2: Detailed view of the Validate Bankline Task.

IMPLEMENTATION NOTES

The following are important implementation notes about the Validate Bankline task.

- Validation is either on or off and is not configurable.
- ISO8583 and MT198 field characters, length, and format are validated.
- Allowed characters are the SWIFT X Character Set unless otherwise restricted in the Bankline specifications. This means that the allowed characters are a-zA-Z0-9 /-(),,+?:' CrLf and space.
- Encoding is utf-8 (ascii).
- ISO8583 field 31 must be uppercase (per Bankline specification).
- Values must not be empty or all blank (per SWIFT).
- Undocumented MT198 blocks and tags are allowed.
- Undocumented MT198 fields are not allowed (per SWIFT).

- Duplicate MT198 blocks and tags are allowed. The last overrides the first.
- Duplicate MT198 fields are not allowed.