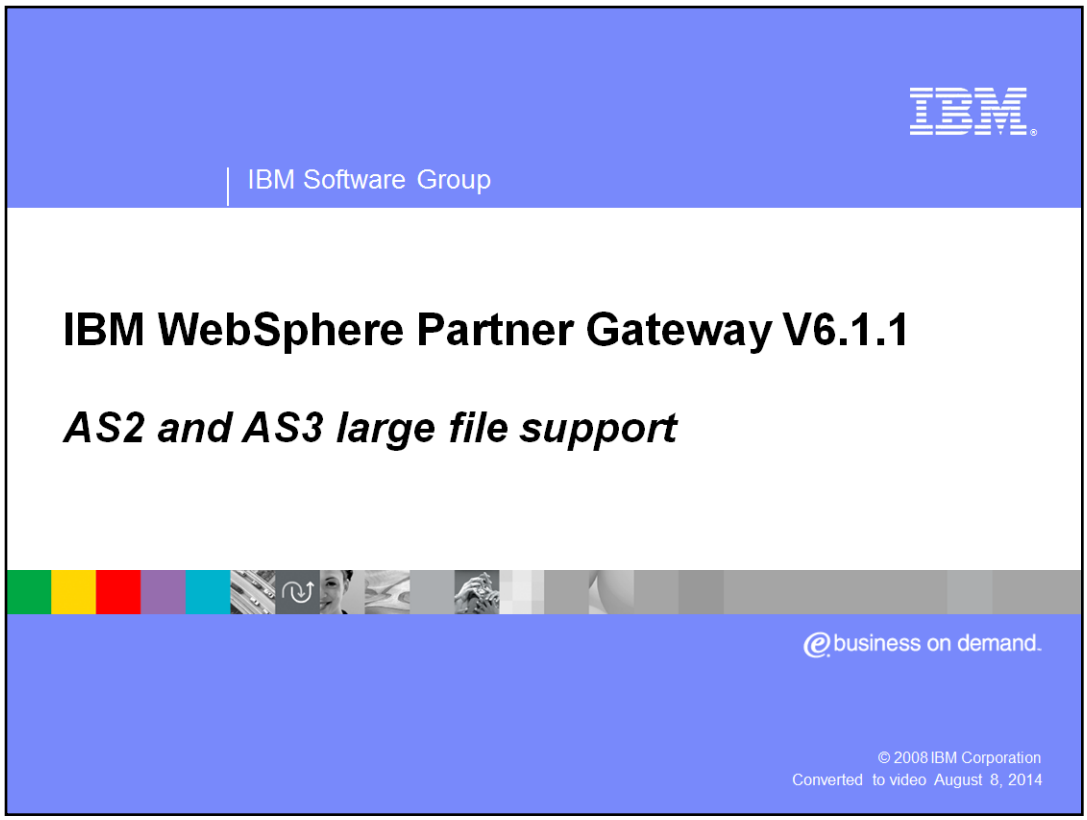
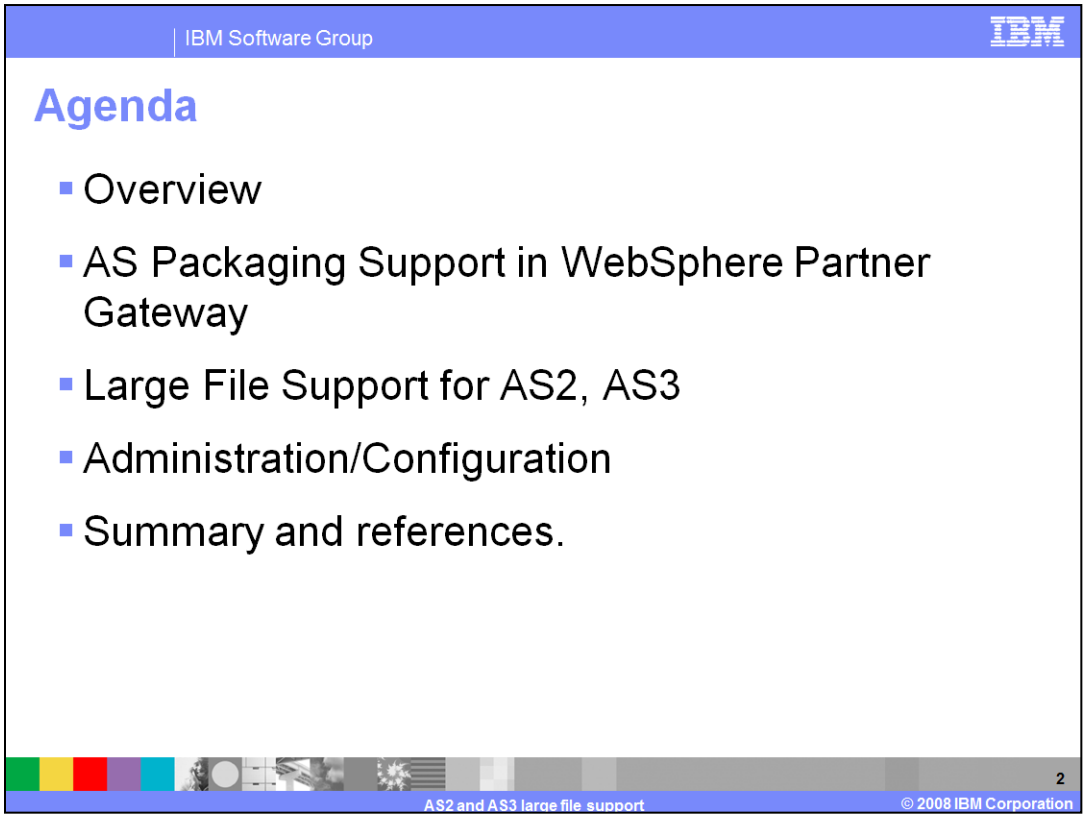
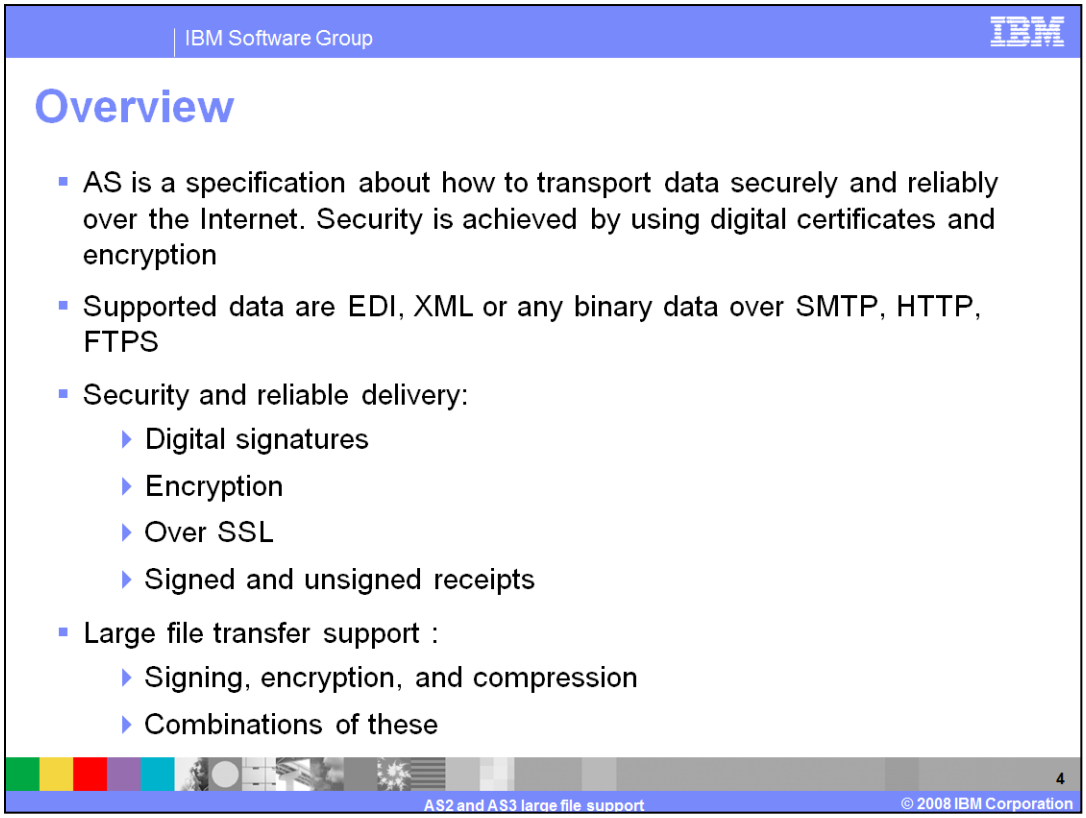



This presentation covers the Applicability Statement 2 or AS2, and AS3 large file support that are new in WebSphere® Partner Gateway V6.1.1 release.




Here is the agenda for today's session. Apart from providing an overview on Applicability Statement (AS), this session will cover the details on how AS protocol is supported in WebSphere Partner Gateway. You will also understand the large file support feature included in this release, along with the administration and configuration changes.


The next slide provides an overview on Large File Support.



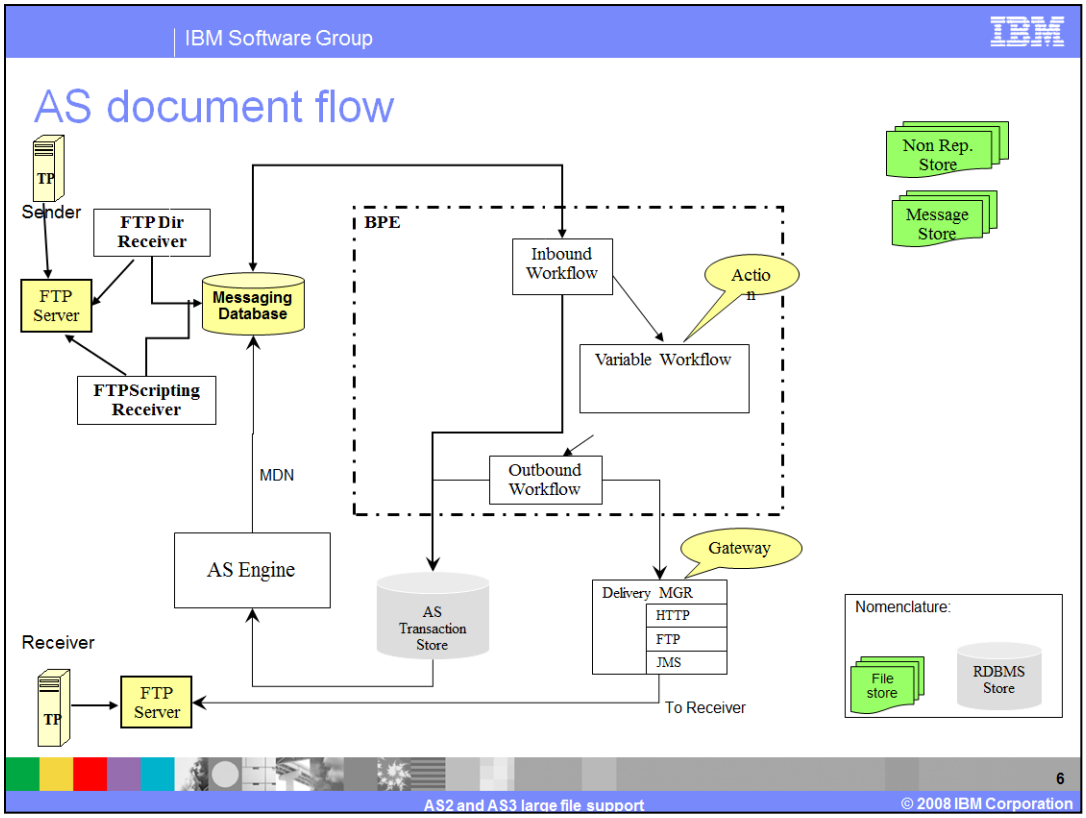

AS is a standard that allows applications to communicate Electronic Data Interchange (EDI) or Extensible Markup Language (XML) data, or any other binary data. The supported transport protocols are SMTP, HTTP and File Transfer Protocol (FTP.) This allows user to connect, deliver, and reply to data securely and reliably over the internet.

AS protocol provides security for the transport payload through digital signatures and data encryption and ensures reliable delivery through the use of Message Disposition Notification or MDN's. Originator sends a plain or secured AS request asking for a signed or plain receipt of acknowledgement. This receipt is called MDN.

The recipient processes the secured or plain document through parsing. In this process, the recipients are able to perform tasks such as decrypting the document if encrypted, verifying the signature if document is signed, and uncompress the document if it is compressed.

This release of WebSphere Partner Gateway 6.1.1 supports large file handling of the order of gigabytes.

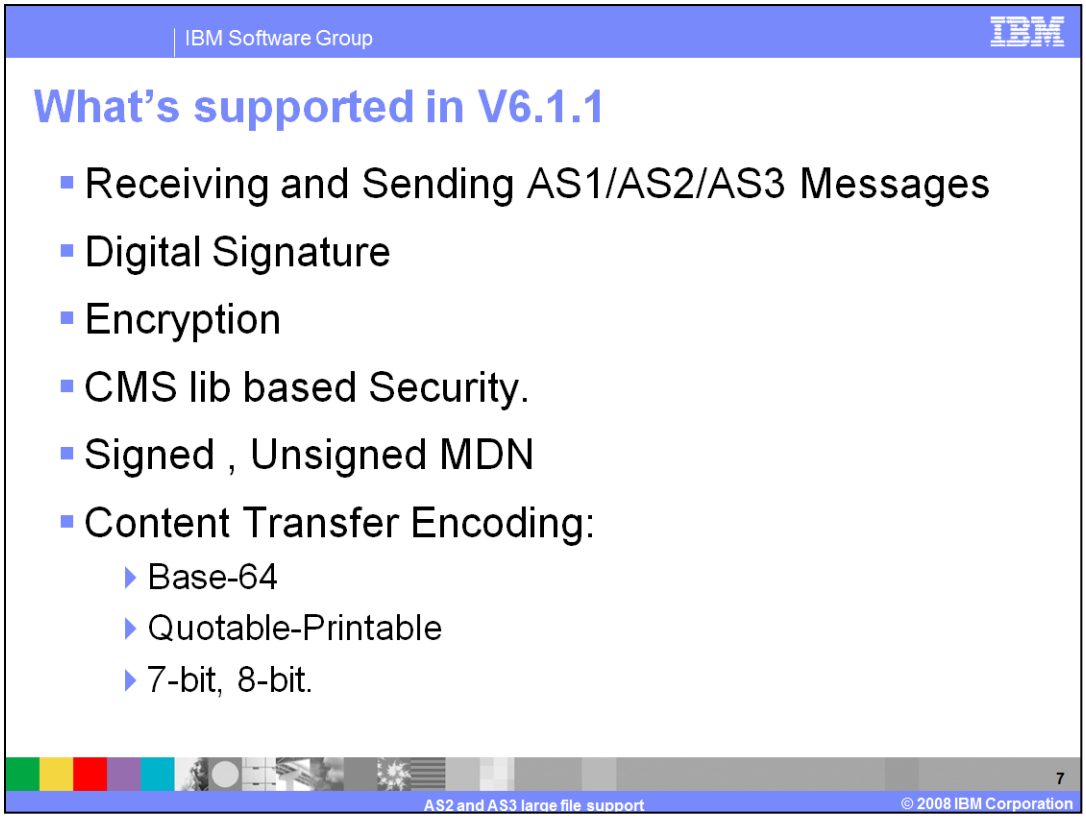

The next section covers the AS implementation in WebSphere Partner Gateway.




This slide describes the sample workflow inside WebSphere Partner Gateway. Although the workflow is specific to AS3, AS1 and AS2 goes through the same steps, the difference is only in the transport protocol.

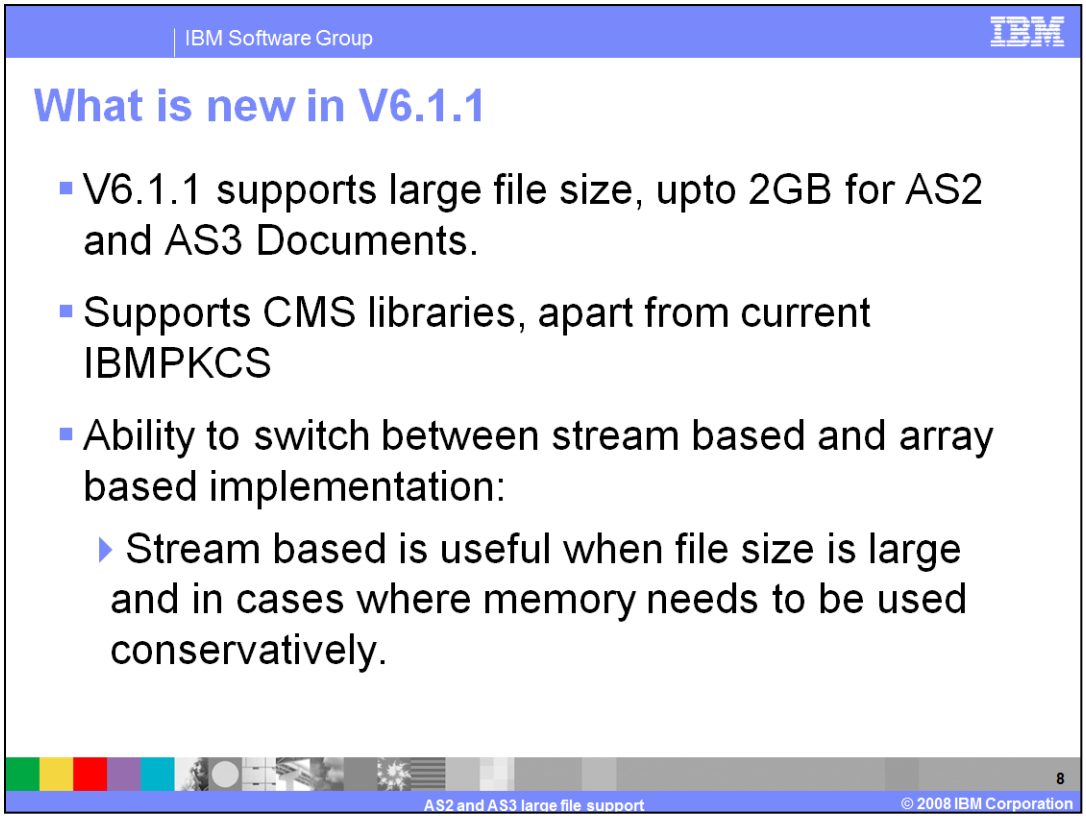
In case of an inbound AS flow, the Partner shown in the diagram places the AS3 document on the FTP server. The FTP receivers configured in WebSphere Partner Gateway, picks up the AS3 file and places it in the main inbound queue of BPE (Business Process Engine). BPE picks up the messages on the inbound queue and parses the document by unpacking it. The document information is logged to AS transaction store. This information is used to generate the MDN. The unpacked document goes through the outbound work flow where it is sent to destination through the Delivery Manager.

In case outbound AS flow, a *None* to *AS* sample outbound AS3 flow is shown. Here, Receiver picks the EDI document placed on a FTP server. The FTP receiver (can be either FTP Dir receiver or FTP scripting receiver ) picks up the document and places it on to Main_InboundQ of the BPE application. The BPE process picks the messages from the main inbound queue and sends it through the Inbound workflow steps. If any variable flow is defined, then the configured action is performed on the document. Then the document proceeds through the outbound workflow. In this case, the EDI document is packaged with AS packaging and is sent to Delivery Manager. The delivery manager uses FTP transport to send the document to FTP server. The Partner can pick the document from the FTP server.



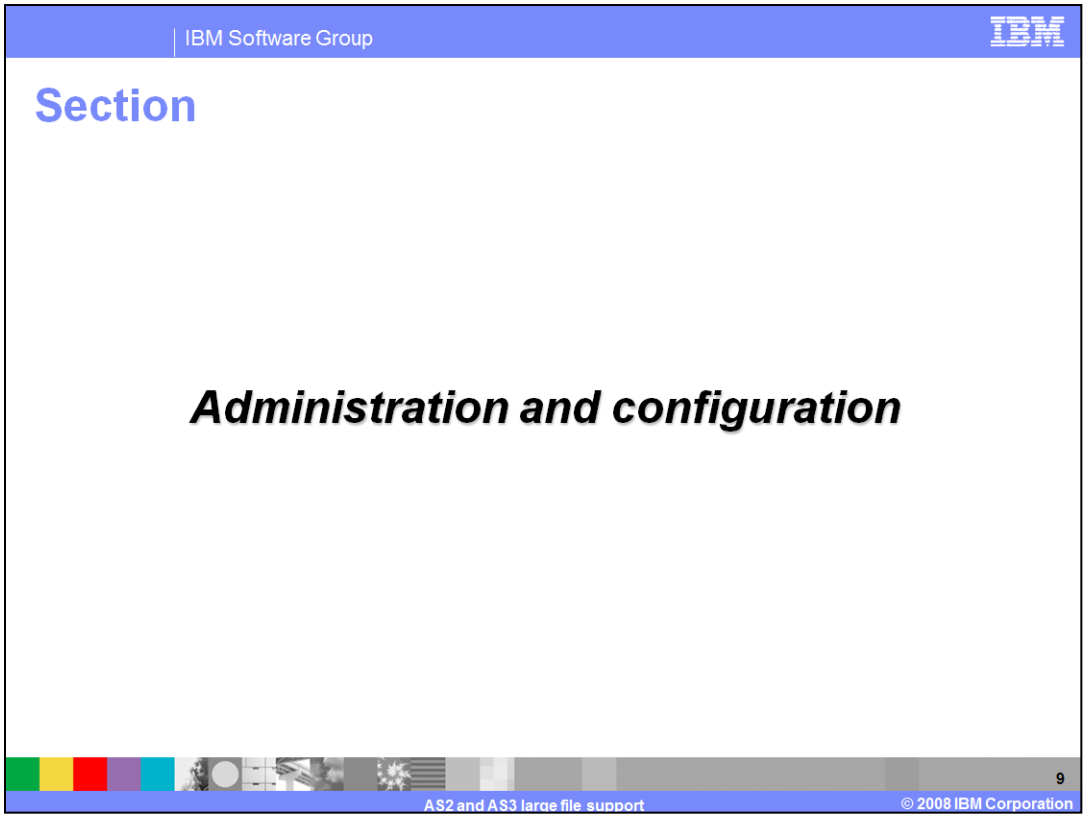

This slide talks about what is supported in WebSphere Partner Gateway V6.1.1.

This release supports sending and receiving plain and secured documents over SMTP, HTTPS or FTPS. It also supports sending/receiving signed, encrypted and compressed documents. The library CMS and IBMPKCS are used for large and small files correspondingly. Along with these features, signed and unsigned MDNs, content transfer encodings like Base-64, Quotable-Printable, 7bit, and 8bit are also supported.

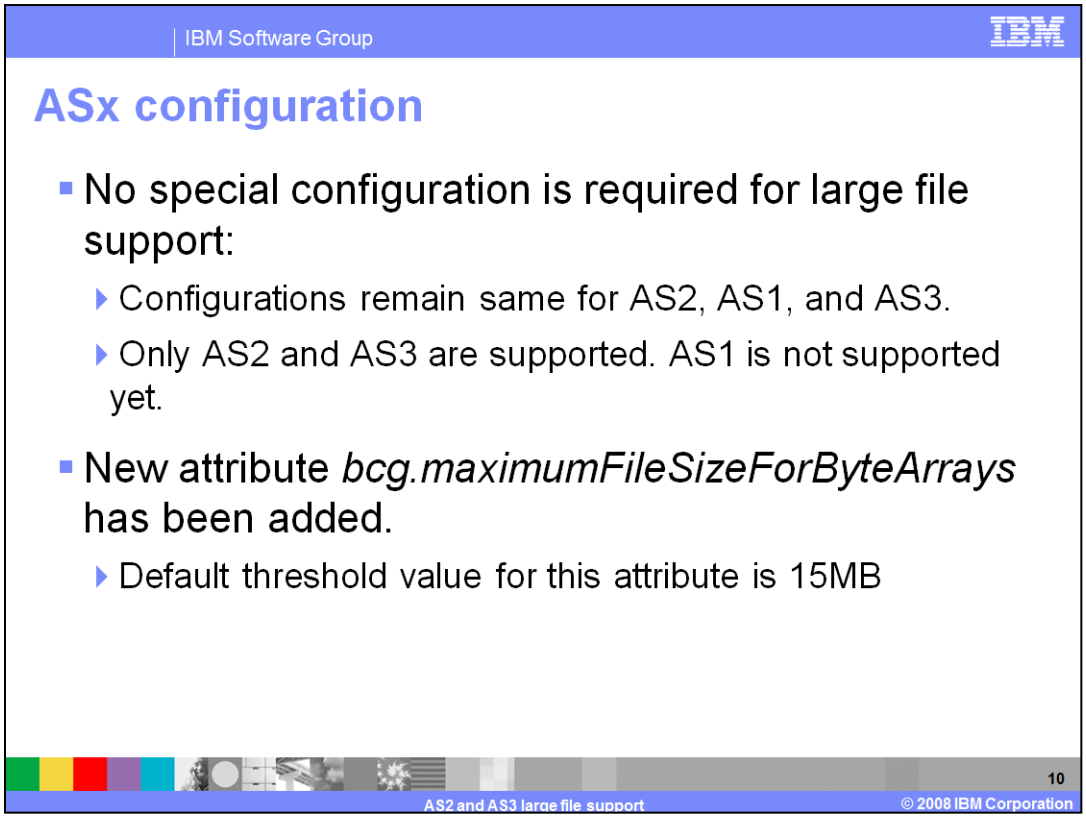



New in WebSphere Partner Gateway V6.1.1 is the support for large files in the magnitude of 2GB for AS2 and AS3. Additionally, CMS library is used for large file support and IBMPKCS for small files.

There are separate implementations for large files and small files. Large files use stream based implementations and small files use an array based implementation. You can switch between these implementations by choosing a threshold value in the console system attributes, shown in the next section.

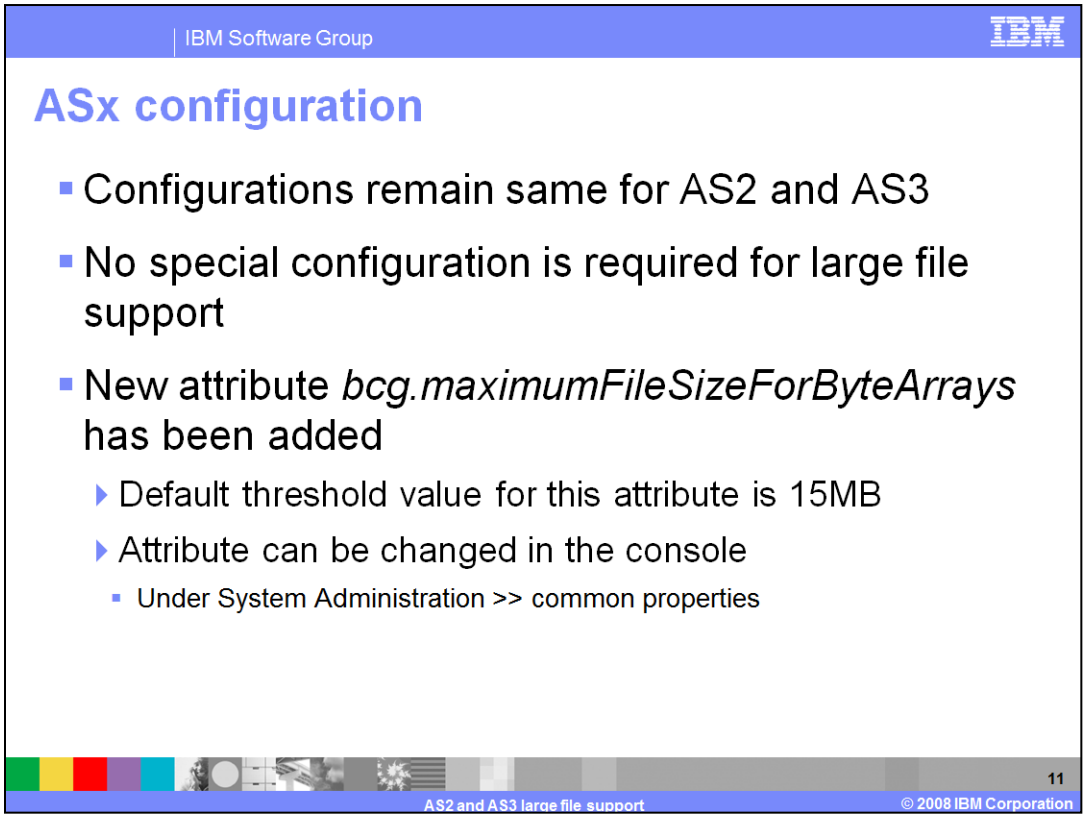



This section covers the administration or configuration steps needed for AS function.




There are no changes to the Configuration and it remains the same as the previous release for AS1, AS2, and AS3. A new attribute “bcg.maximumFileSizeForByteArrays” has been added. The default value for this attribute is 15MB.

If the documents routed through WebSphere Partner Gateway are greater than 15MB, then the stream based approach is used internally by the WebSphere Partner Gateway to route the documents. For smaller documents, bcg.maximumFileSizeForByteArrays < 15MB, the byte array based approach is used internally. The value for this attribute can be changed through the console under System Administration >> common properties.

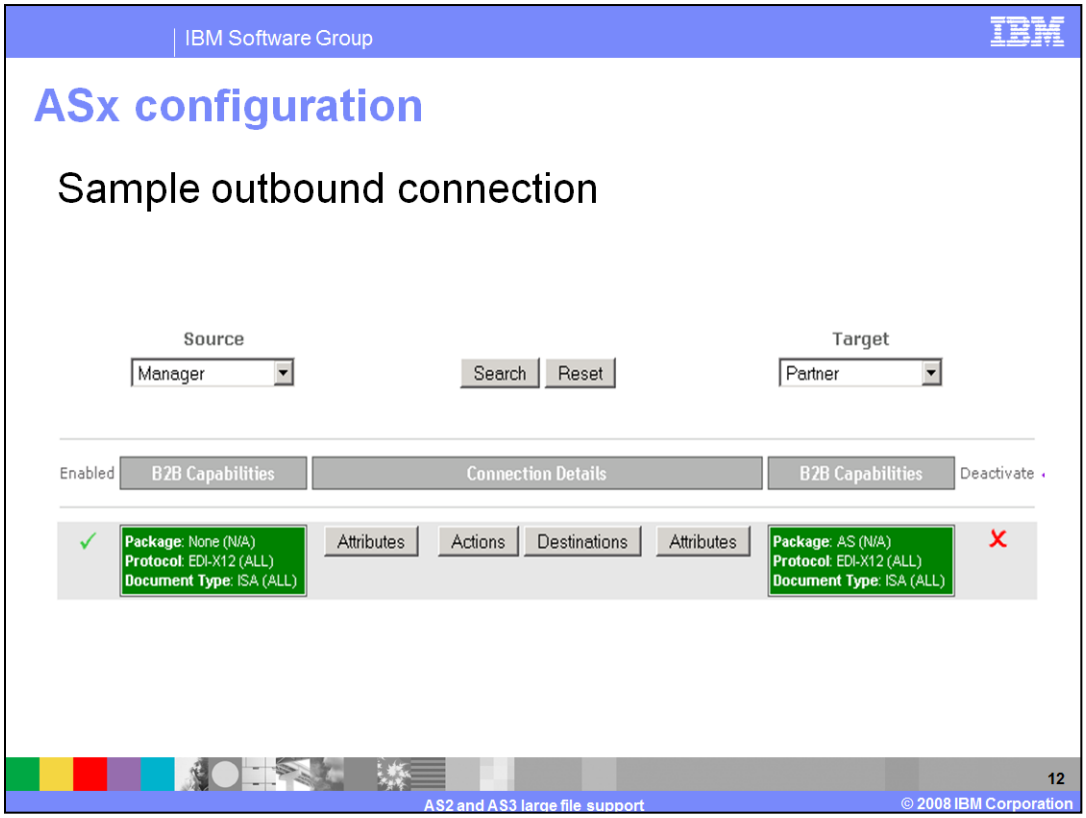



There are no changes to the configuration and it remains the same as the previous release for AS2, and AS3.

A new attribute “bcg.maximumFileSizeForByteArrays” has been added. The default value for this attribute is 15MB.

The value for this attribute can be changed through the console under System Administration >> common properties.

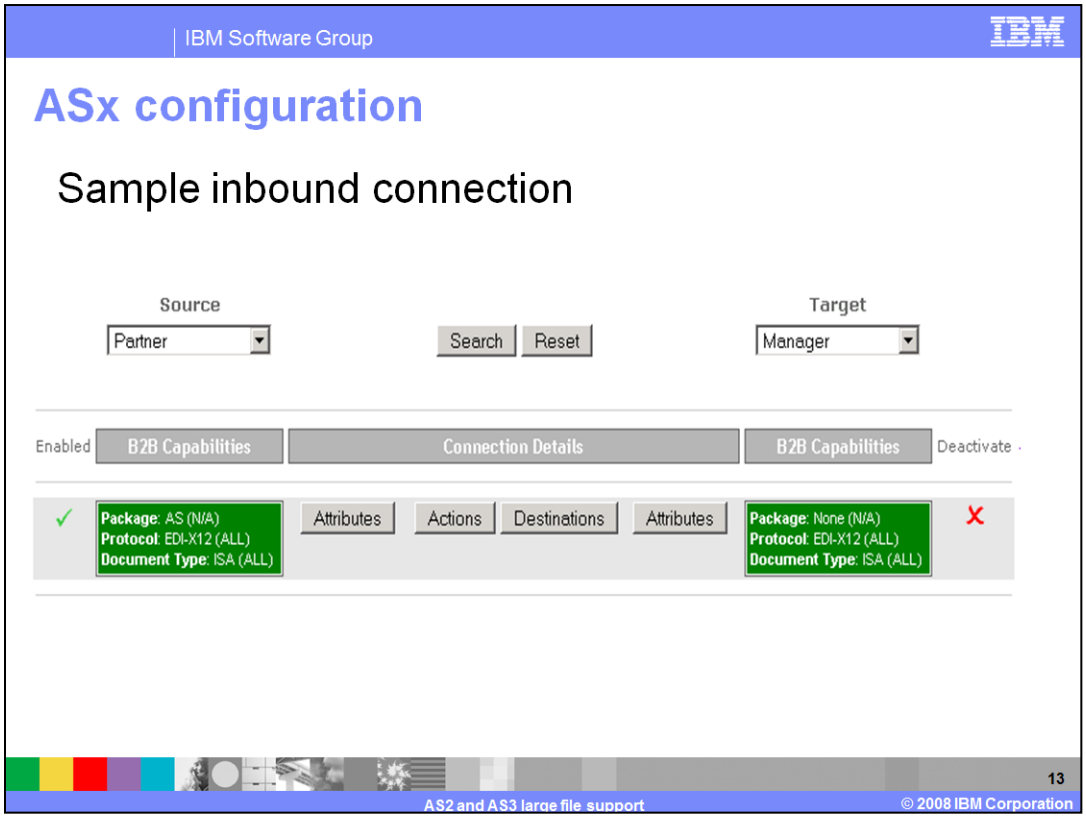
If the documents routed through WebSphere Partner Gateway are greater than 15MB, then the stream based approach is used internally by the WebSphere Partner Gateway to route the documents. For smaller documents, bcg.maximumFileSizeForByteArrays < 15MB, the byte array based approach is used internally. The value for this attribute can be changed through the console under System Administration >> common properties.




This page shows the sample AS outbound connection.

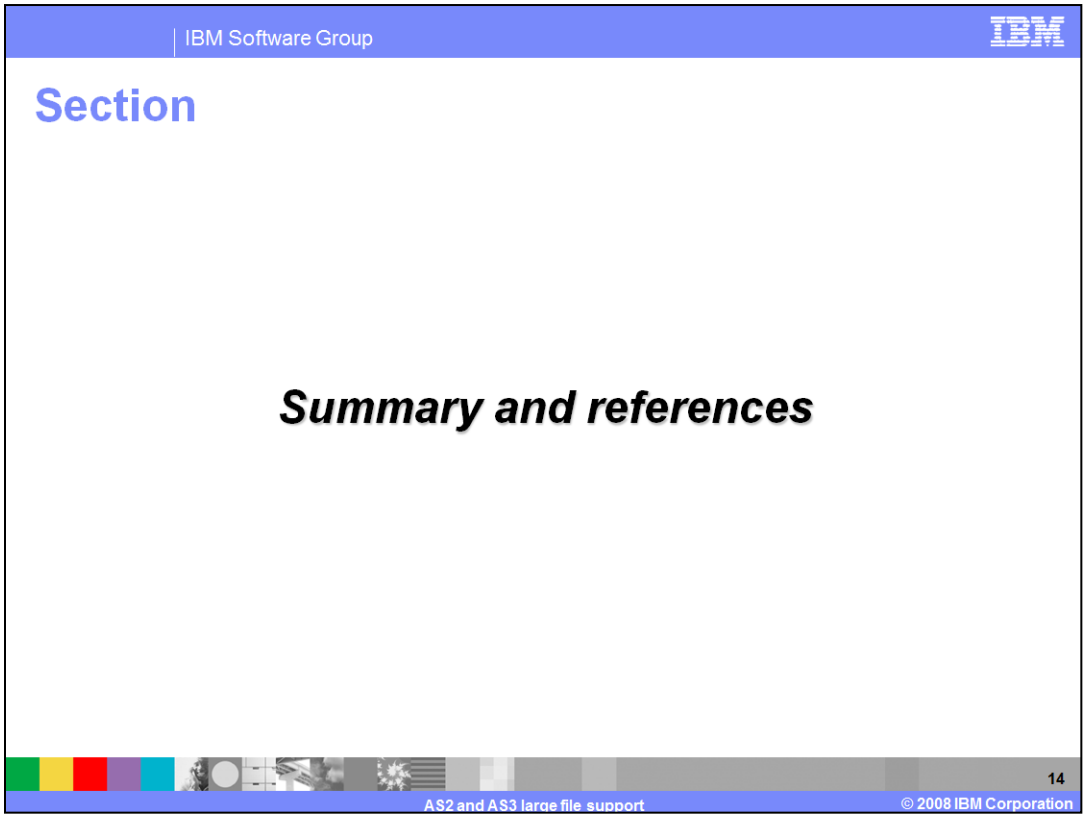
Create a sample outbound connection as shown for sending the AS documents out to a Partner. Configuring this connection is the same as in the previous release.

Creating the connection involves creating partners, enabling business-to-business capabilities, creating destinations, FTP, SMTP or HTTP, creating connections, and enabling connections. The document is routed using this connection.

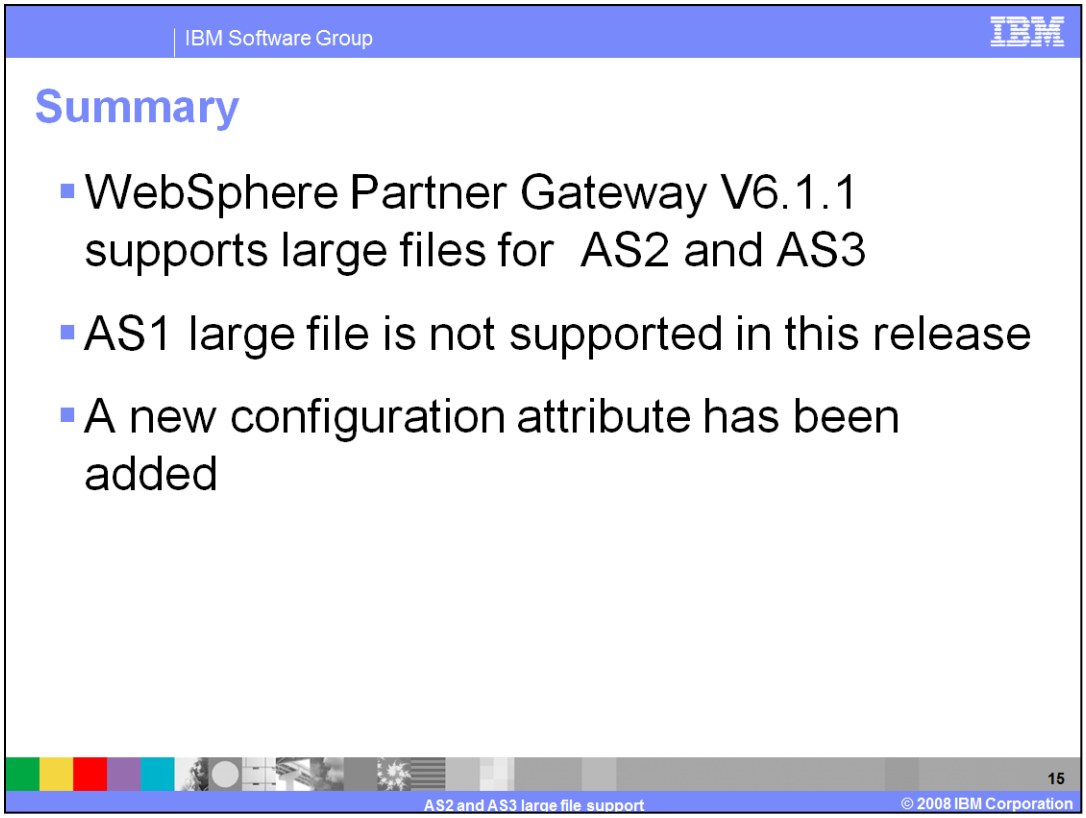



This page shows the sample AS inbound connection

Create a sample inbound connection as shown for receiving the documents from Partner. Configuring this connection is same as in the previous release. For example, from AS to None has to be created.




This section covers the summary and references.




To summarize, WebSphere Partner Gateway V6.1.1 supports large files for AS2, AS3 and AS1. New configuration attribute is added and defaulted to 15MB. You can change this value through the console.


The AS1, AS2 and AS3 specs are used as references for this presentation.

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