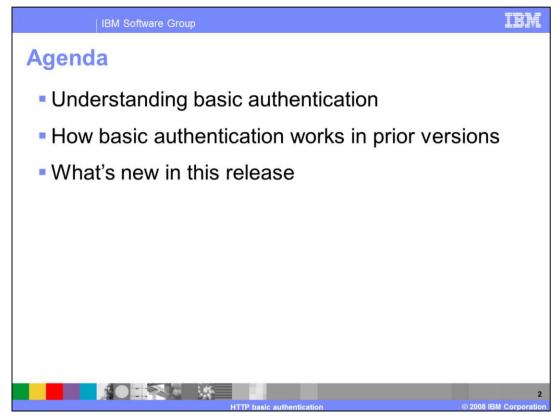
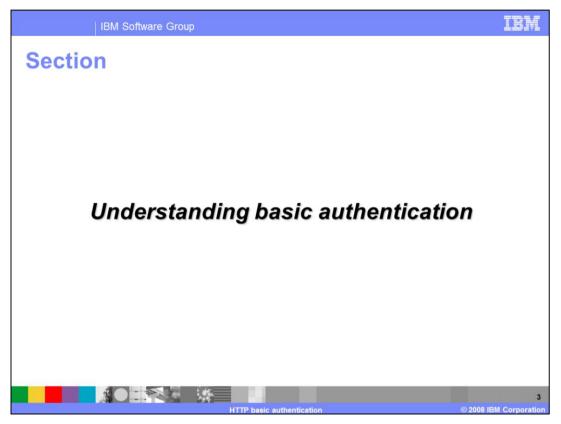


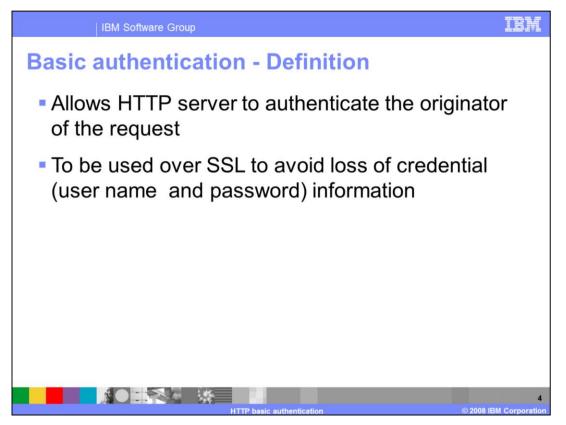
This presentation covers the support for HTTP basic authentication in WebSphere Partner Gateway V6.1.1 release.



By the end of this session, you will have an understanding on the basic authentication feature and how the previous version of partner gateway supported basic authentication. Also, you will see what's new in this release.

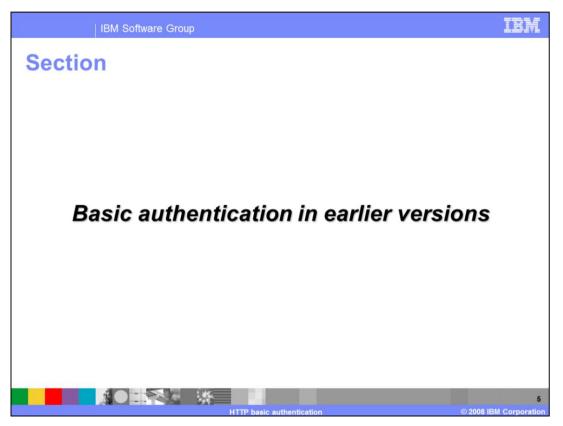


This section helps to understand the basic authentication concept.

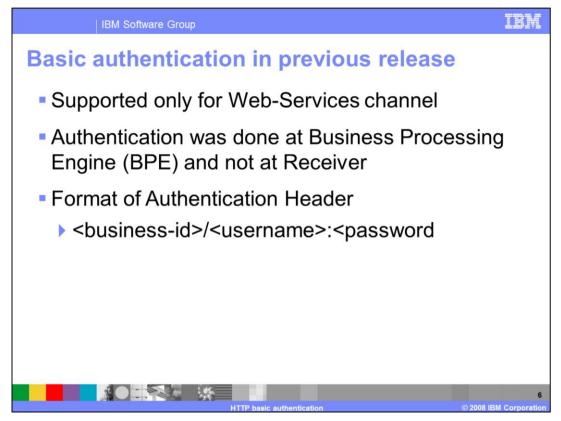


Basic authentication provides a means to authenticate the sender of the request before actually processing the HTTP request. This protects servers against denial of service attacks.

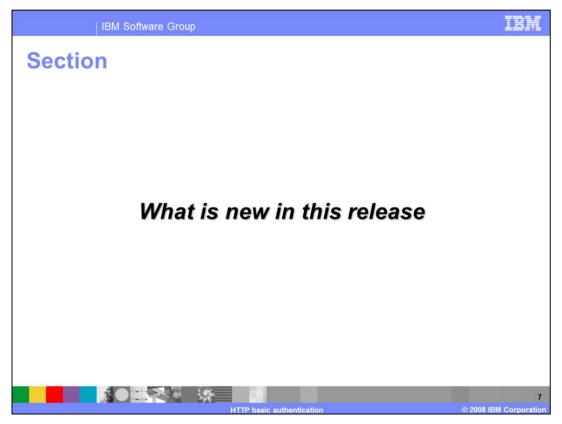
The way it works is, the client who is initiating the HTTP request provides a user-name and password, which is base-64 encoded and placed as a HTTP header. The recipient of the message is expected to first authenticate the credentials and process the request further, only when the authentication is successful. Although the user name and password are base64 encoded, to avoid the password being exposed to others, basic authentication is always used over an SSL connection.



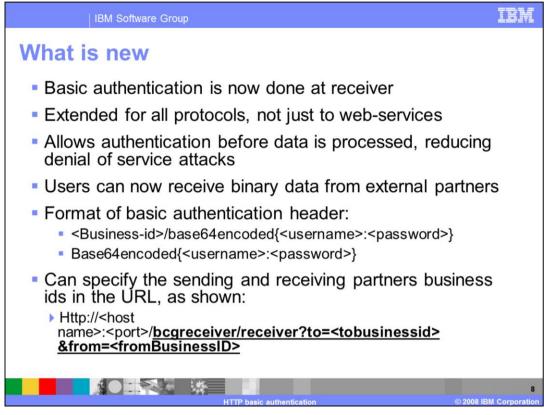
This section helps you understand basic authentication support that was provided in prior versions of WebSphere Partner Gateway.



In earlier versions of WebSphere Partner Gateway, basic authentication was supported only for Web services protocol. Also, the authentication was done at BPE so that the request with credential that is not valid will get processed, but will fail at the BPE.



This section provides an overview on what's new in Partner Gateway V6.1.1



In this release, basic authentication function is done at the receiver. This enables the basic authentication support for all business protocols transported over HTTP. This way, the sender is authenticated before processing the message and hence, it provides fair amount of protection from denial of service attacks.

Also, the new solution will now authenticate user at HTTP receiver and sends back an authorization failed message if the authentication fails. For binary data that is sent over HTTP, you can specify the sending and receiving partners business IDs in the HTTP URL as query string, as shown on the slide.

IBM Software Group	IBM
Enabling basic authentication	-
¢.	
Receiver Name httpReceiver Status Enabled Description HTTP/S	
Receiver Configuration	
Operation Mode: Production URI: /bcgreceiver/Receiver	
Sync Routing: Maximum Synchronous Timeout (Seconds) 300 Maximum Simultaneous Synchronous Connections 100	
Basic Authentication	
Handlers	
Configuration Point Handlers: Select One	
HTTP basic authentication	9 © 2008 IBM Corporation

Here is the screen capture for enabling basic authentication.

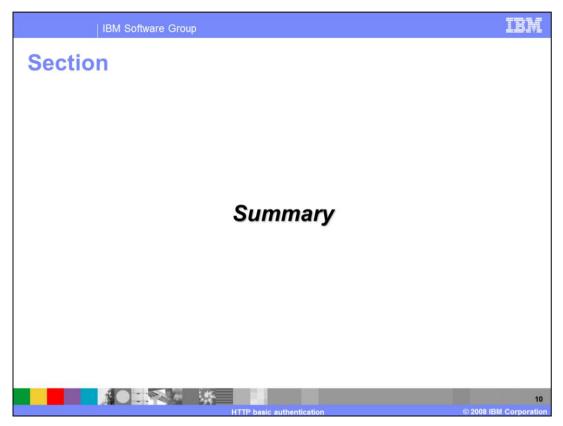
If basic authentication flag is ON and the headers have the correct authentication information, then authentication will succeed and document is sent for further processing.

If this flag is ON and the headers have the incorrect authentication information, then basic authentication will fail and the document is not processed at the receiver.

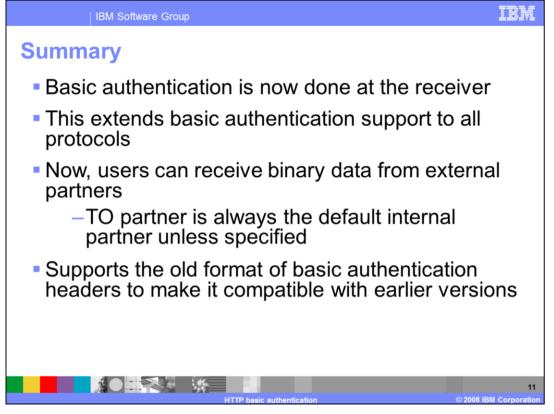
If this flag is ON and there is no basic authentication information, then it will take the same path as authentication failed.

If this FLAG is OFF, then the receiver will not perform basic authentication even if the header has authentication information.

For all failures that can occur while authenticating the sender, events are logged by the receiver.



Here is the summary of the basic authentication feature.



Basic authentication is now done at the receiver (HTTP). This extends basic authentication support to all protocols. Also, you can receive binary data from external partners and TO partner is always the default internal partner unless specified. This version of the product supports the old format of basic authentication headers for compatibility with earlier versions.



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