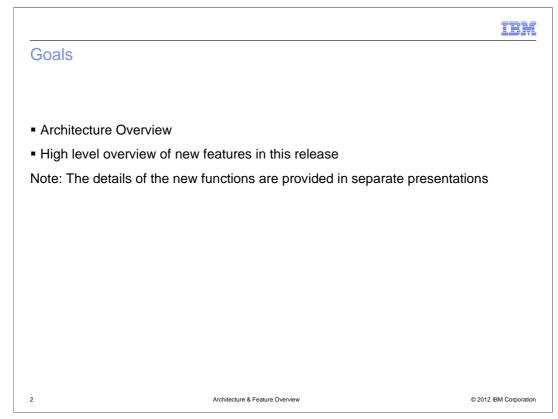
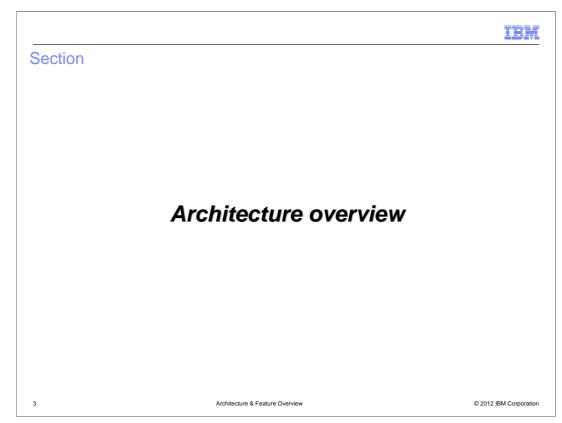


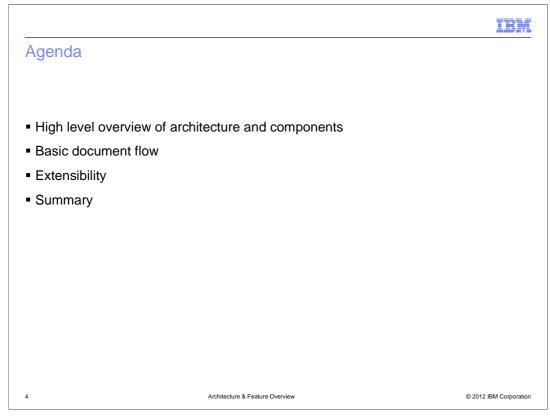
This presentation covers the architecture and components of WebSphere Partner Gateway V6.2.1. It also covers the new feature / functions included in this new release.



The goal for this presentation is to provide, an architectural overview and quick look at the new features included in this release.



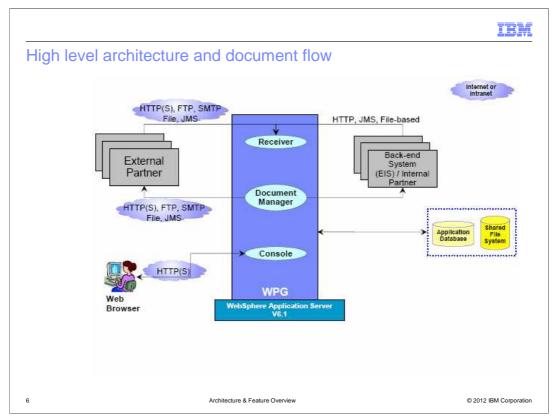
The next section covers the Architectural Overview



The agenda includes a high level overview of architecture and components, followed by some basic flows. The extensibility of the product is also discussed.

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Architecture	
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The next section covers the architecture.



The slide shows the high level architecture and high-level view of the document flow through the WebSphere Partner Gateway hub components. This architecture is similar to V6.0. There are three major WebSphere Partner Gateway components, namely the Receiver, Document Manager and Console.

Receiver is the front end to WebSphere Partner Gateway. It accepts and stores documents from partners or back end system for further processing by WebSphere Partner Gateway. Document Manager retrieves stored data, processes and routes it to both partners and enterprise applications. Additionally, this component performs packaging, validation, logging and other document related functions.

Console provides a view of all business-to-business interactions, allows creation and maintenance of various partner data, profiles, certificates and provides a user interface for the hub administration

WebSphere Partner Gateway requires a shared File system such as Network Area Storage (NAS) used for common storage of documents.

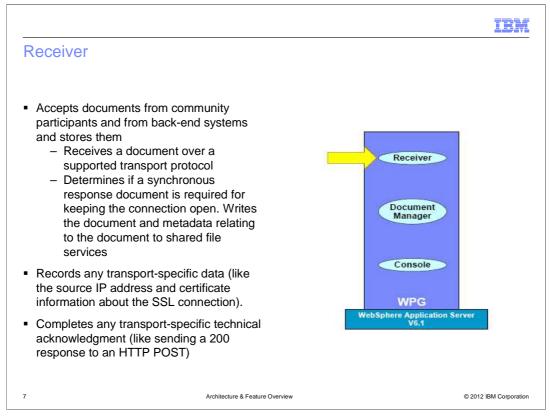
A Database is used to store hub configuration data, meta data, document status, activity logs, temporary store and other information. The Console and the Document manager interacts with the database to save or retrieve information.

Documents can be sent by the external trading partners or internal trading partners (some back end system). Once inside the hub, the document is processed based on the configuration of the hub for that type of document. The processed documents are then sent to the trading partners or to the back end systems.

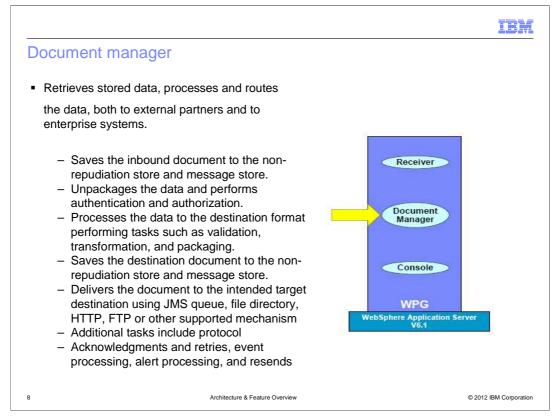
WebSphere Partner Gateway is a loosely coupled component architecture which enables very high scalability and high availability topologies.

WebSphere Partner Gateway can be used alone to provide business-to-business connectivity to a partner. You might also choose to deploy it with other WebSphere Business Integration offerings to provide tighter integration with your enterprise applications. It supports JMS connectivity, HTTP/S, FTP, FTP Scripting and File-based between the gateway and its external or internal partners

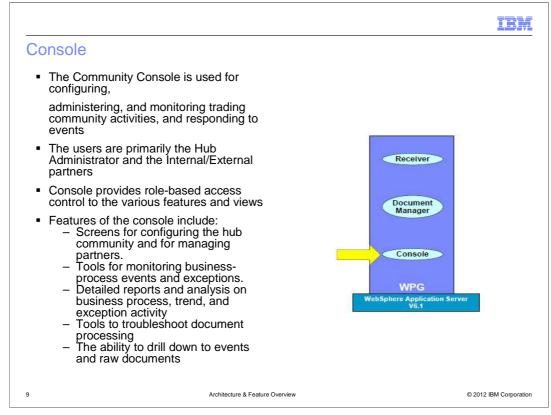
Overview.ppt



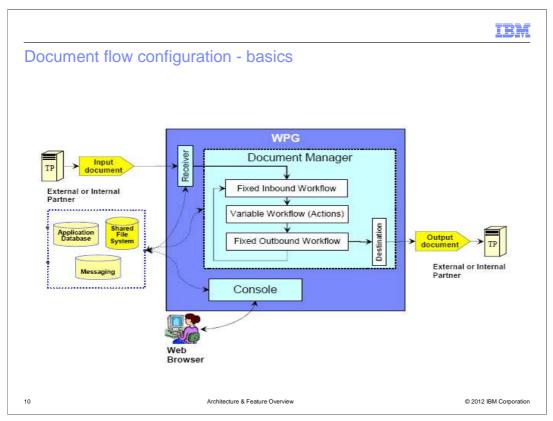
A high level view of the functions of the Receiver is shown here. As the name suggests, the job of the receiver is to receive documents and prepare them for the next stage of the document manager. It receives documents from trading partners or back end systems over many supported protocols and packages. The received document and meta data are placed in the common shared file system and the document manager is notified of the new arrival. The receiver handles any transport level functions.



The document manager is the brain of the hub. This is where document processing occurs. When notified of a new document by the receiver, the document manager retrieves the document from the common storage, processes it and routes it to the intended target. The administrator configures the document manager to perform the appropriate actions, such as validation, transformation, or just pass through, on the document. Protocol specific actions for received documents such as un-packaging including decryption, signature verification, and acknowledgement are performed. Protocol specific actions for sending documents such as packaging including encryption, signatures, and retries are also performed.



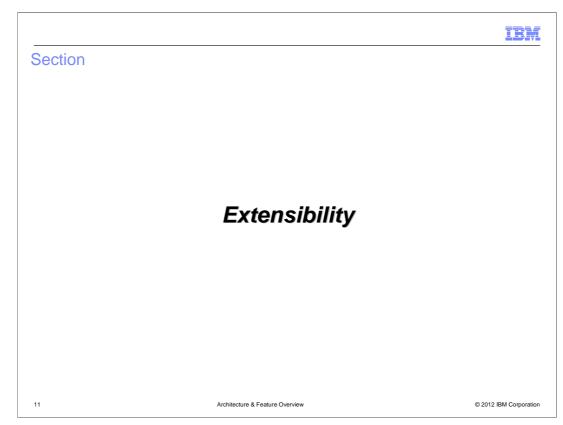
The Console is the web interface for the Community Operator, Internal Partner, or the External Partner to configure. It is also used to administer and monitor the trading activities. Based on the type of user logged in to the console, appropriate functions are exposed based on the user's role. The console also provides an interface to a set of tools that allow you to view the documents that have flowed through the hub and provides troubleshooting for failed documents



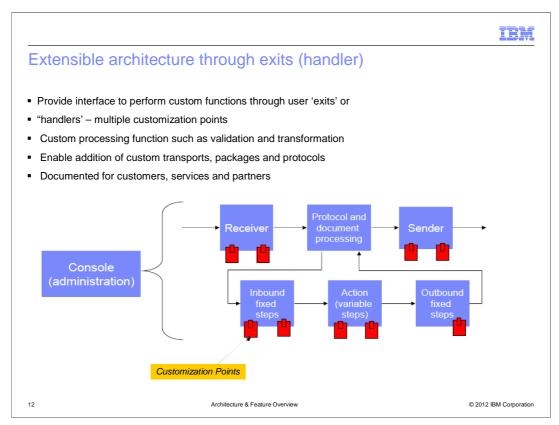
This graphic provides more detail about the basic flow within WebSphere Partner Gateway components, especially the Document Manager. There are three different workflows for every document passing through the document manager. First, the fixed inbound workflow is used for a fixed set of work actions that apply to all incoming documents.

For example, unpackaging the incoming document like an AS2 packaged document. Second, the variable workflow is, as the term implies, variable and is based on the actions specified by the administrator on the specific incoming document. Examples are Validation and XML Translation that apply to EDI and XML document flows.

Third, the Fixed outbound workflow is used for a fixed set of work actions that apply to all outgoing documents. For example, packaging the outgoing document to an AS2 packaged document. In some document flows, especially involving EDI documents, intermediate documents are created by the hub and then flowed back through the document manager for further processing. Each flow of any document through the hub represents a connection between the source and the target trading partners, including the intermediate ones.



The next section covers the Overview of the function.



WebSphere Partner Gateway provides a mechanism for adding custom functions called exits or handlers at different stages of document processing. It includes support for many pre-defined packages, protocols and document types. With the pluggable extensibility of the architecture, new custom packages, protocols or document types can be added by the hub administrator.

Listed below are some examples of architecture extension through the use of exits and handlers.

One example is for Encryption, Validation and Transformation,

As WebSphere Partner Gateway receives and processes a document, a 'call out' to any program can be easily made as part of the possessing. These User Exits or handlers can be used for example for document encryption and decryption, and validation, or transformation, or both.

Another example is for Custom Transports, Packages and Protocols.

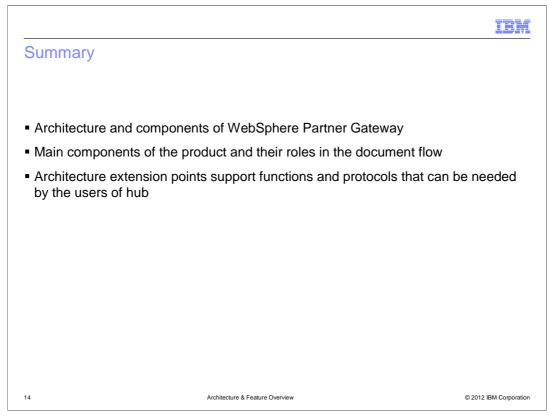
WebSphere Partner Gateway is extensible to enable custom Transports, Packages and Protocols to be added within the framework of WebSphere Partner Gateway runtime and Community Console based administration. There are number of exit points that enable the addition of custom listeners for additional Transports, parsers for additional Packages and Protocols. In this way the rest of the infrastructure of WebSphere Partner Gateway can be used

in conjunction with these new capabilities.

Overview.ppt

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Summary	
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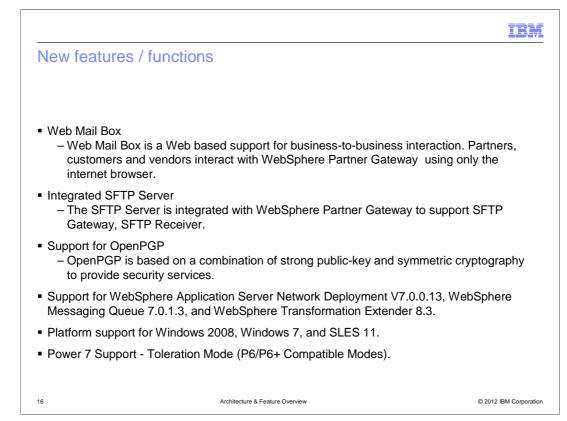
The next section covers the summary



In summary, so far this presentation covered the basic architecture and the components of WebSphere Partner Gateway V6.2.1.



The next section covers what's new in this release.



You will now take a look at some of the new features included in this release.

Web Mail Box

Web Mail Box is a Web based support for business-to-business interaction. This allows partners, customers, and vendors to interact with WebSphere Partner Gateway using internet browsers, that is, Web based support for business-to-business interaction. The Web version of the WebSphere Partner Gateway Console is opened in a browser and no external infrastructure is required

Integrated SFTP Server

-WebSphere Partner Gateway 6.2.1 has extended support for SFTP integrated server (FTP over SSH).

The supported version of SSH protocol is SSH v2 (SSH2). The SSH server implements the SFTP subsystem for file transfer, after which the SFTP client (like WebSphere

Partner Gateway receivers and destinations) can connect to the SFTP server

Support for OpenPGP

OpenPGP is based on a combination of strong public-key and symmetric cryptography to provide security services.

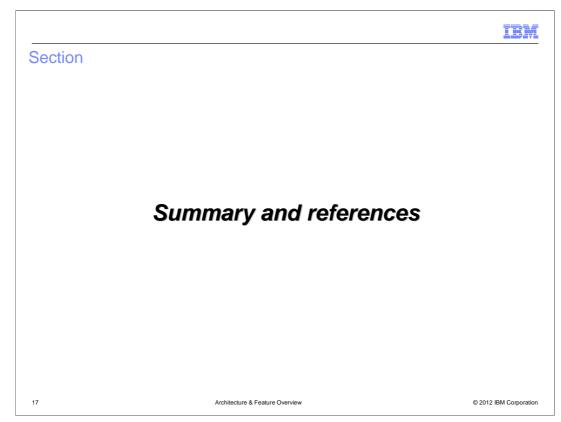
OpenPGP is a term given for security software that provides authentication, confidentiality, and data integrity by means of

digital signatures, encryption, compression, and radix-64 conversion.WebSphere Partner Gateway 6.2.1 supports OpenPGP specification that follows RFC 4880.

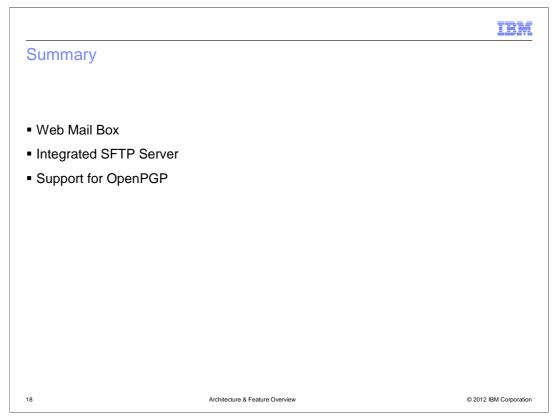
Support for WebSphere Application Server Network Deployment V7.0.0.13, WebSphere Messaging Queue 7.0.1.3, and WebSphere Transformation Extender 8.3.

Platform support for Windows 2008, Windows 7, and SLES 11(SuSE Linux Enterprise Server).

Power 7 Support - Toleration Mode (P6/P6+ Compatible Modes).



The next section will summarize your discussion so far..



In summary, so far this portion of the presentation covered new features that are part of this release.

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