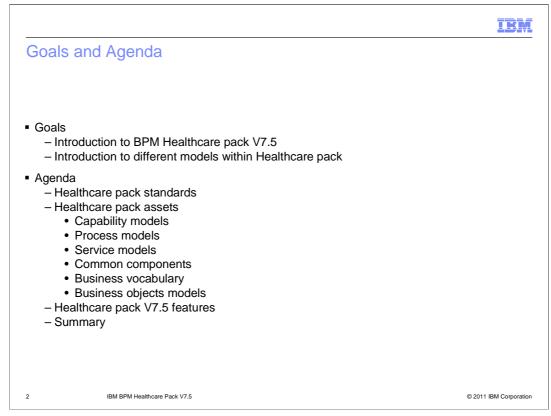


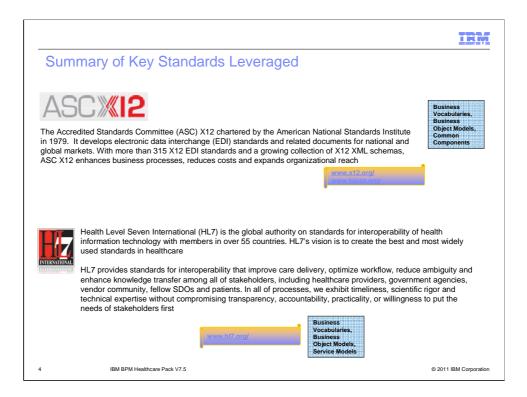
This presentation provides details about the Business Process Manager (BPM) Healthcare Pack V7.5



The goal of this presentation is to provide an introduction to the BPM Healthcare Pack V7.5 and to understand the various assets provided with the pack.



This section provides a list of standards that are supported by the BPM Healthcare Pack V7.5  $\,$ 

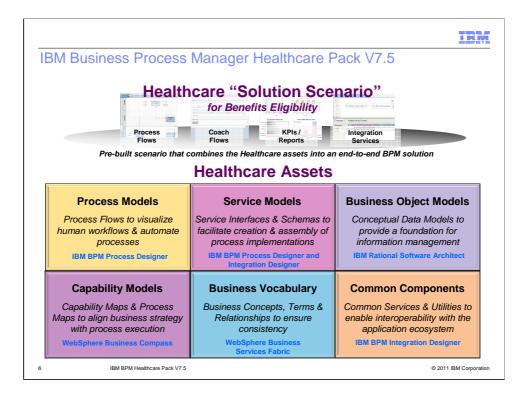


The key standards that are used by the BPM Healthcare Pack are the X12 electronic data exchange (EDI) standards and the Health Level Seven International (HL7) standards.

The BPM Healthcare pack includes pre-built healthcare-specific assets based on this industry standards and IBM best practices. It is not a replacement of Healthcare standards – it provides derivative works based on ASC X12 EDI (HIPAA) and HL7 standards.

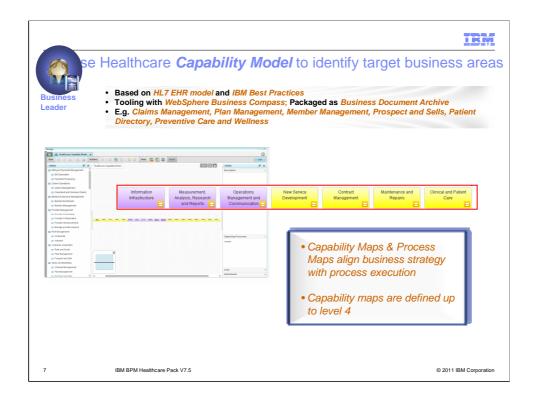


This section provides details about different assets of BPM Healthcare Pack V7.5

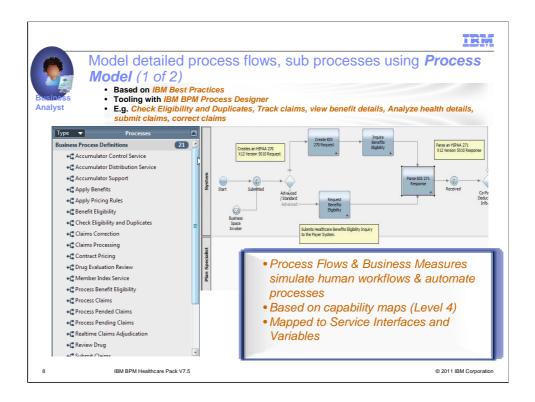


The BPM Healthcare Pack provides the Benefits and Eligibility solution scenario to demonstrate the capabilities of assets in developing an end-to-end Business Process Management (BPM) solution based on a eligibility inquiry scenario that is considered common within the healthcare industry. The Healthcare provider can use Benefits Eligibility transactions to determine whether a payer or HMO has a subscriber or dependent on file and the status of the subscriber or dependent. It can also be used to check the current healthcare eligibility and the benefit information for the subscriber or dependent. The various artifacts that are used in the Benefits Eligibility Solution Scenario can be viewed by using the different tools that each of these artifacts use as mentioned in the boxes. Benefits Eligibility is used to view the data associated with the benefit and eligibility information of a patient and based on the patient name, date of birth, and so on, it determines the information that is supplied.

A demonstration is provided on how to run the Benefits Eligibility Solution Scenario. The next few slides discuss healthcare assets that different users can use based on their business requirements.



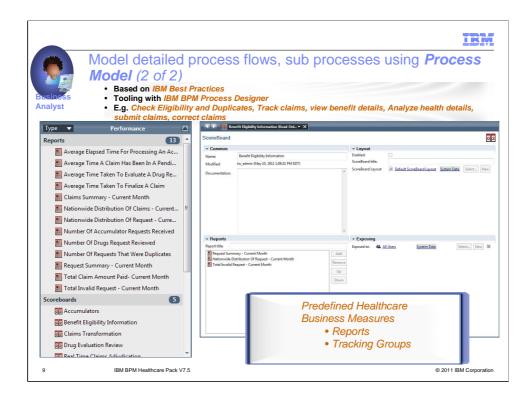
The Healthcare Capability Model consist of Capability Maps which represents the healthcare domain decomposition of business capabilities. Based on HL7's EHR standards and IBM Best Practices, the capability models help in managing healthcare claims, plans, providers and members. In the previous release of the BPM Healthcare Pack, processes and sub processes were part of process maps, which were mapped to capability maps. In this release, these processes and sub processes have been moved such that they form the next level of sub capabilities in an existing capability map. These assets are packaged as a Business Document Archive (.bda) files and can be easily viewed using WebSphere Business Compass. Before you can begin using the capability maps you need to identify the business area that corresponds to your requirement. This identification helps in aligning the business strategy with process execution.



The Healthcare Process Models are modeled as Business Process Definitions (BPDs) inside the IBM Process Designer. A BPD defines the process workflow for users, creating logic inside a process, and integrates with other applications and data sources. The process acts as a container for all the components of a process definition, which includes participant groups, lanes, services, activities, gateways, sequence lines, rules, and variables.

Each of the BPDs related to a specific focus area are packaged as part of the Toolkits. The Healthcare Process Models include the Member and Sponsor Management and Claims Management toolkits. The BPDs that are available as part of the Healthcare Pack serve as templates that can be used to start, or in some cases, accelerate the development of a Process Application. This provides you an ability to use the provided assets as a starting point and customize them as per their requirements.

In the earlier release, the Process Models were provided as WebSphere Business Modeler artifacts.



The toolkits contain predefined Reports and Scoreboards for monitoring process related performance. Reports are used to analyze the process performance-related data as a graph or chart that easily depicts the data in an easy to understand format, as opposed to a tabular format of information. Scoreboards are an aggregation of reports that can be seen in the IBM Process Portal.

Assemble Models	e Integ	ration Solution by	y using H	TB Healthcare Service	
ClainsManagement     ClainsManagement     ClainsManagement     HealthcarePayorCommonServices     IncentiveCollaboration     IntermediaryManagement	ng with We Bill Inquiry,	bSphere Integration Develop Eligibility Transaction Histor st, Apply Benefits, Eligibility	er; Packaged a y, Eligibility R	or HIPAA and IBM Best Practices is SCA libraries eport, Filter Eligibility Data, Retriev fy Member, Retrieve Provider Fees	
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• ① Interfaces                 • ① AnalyzeHealthInformationPT                 • ① ChangeEnrollmentPT                 • ① CheckEligbilityAndDuplicatesF                 • ① CheckEligbilityAndDuplicatesF                 © CheckEligbilityAndDuplicatesF                 © CheckEligbilityAndDuplicatesF                 © CheckEligbilityAndDuplicatesF                 © CheckEligbilityAndDuplicatesF                 © EducatonProgramPT                 © EligbilityCallbackFT                 © EligbilityTiansactonPetallPT                 © EligbilityTransactonPetallPT                 © EligbilityTiansactonFtaryPT                 © EligbilityTiansactonPetallPT                 © EligbilityPPT                 © EligbilityPPT                 © FilestileMemberPFInolmentPT                 © ThitestileMemberPrinolmentPT                 © FilestilePrinolmentPT	DI Inputs	elablitySubmissionRequest		ElgibilitySubmissionRequest	
	ID Outputs	elabilitySubmissionResponse		ElgblitySubmissionResponse	
			<ul> <li>Service Interface &amp; Schemas facilitate creation &amp; assembly of process implementations</li> <li>Service definition includes input, output, operations, etc</li> </ul>		
ManageContactDetailsPT     ManageContactPreferencesP	T althcare Pack V7.	5		© 2011 IBM Corpo	

The Healthcare Service Models are pre-built service interfaces and schemas that facilitate interoperability across diverse platforms for a specific industry. You can use the service interfaces and the associated schemas to create and assemble process implementations that can later be used as endpoints for process flow executions.

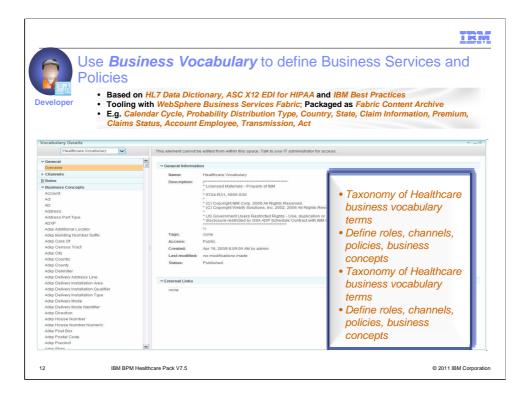
The service interfaces are created based on Industry Best Practices and are packaged as SCA libraries which can be viewed in the IBM Integration Designer.

			· · · · · · · · · · · · · · · · · · ·			
Achieve	e compon	ent reuse us	sing Healtho	care <b>Common</b>		
Compo	nents					
				IPAA and IBM Best Practices		
		ation Designer; Pack				
		s, EDI Validation Res r Extractor, Image Ti		, EDI Unbundling, EDI Bundling,		
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HealthcarePayorCommonSer	vices					
E Dependencies						
👘 💆 Integration Logic	*Operations			3		
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BulkPT	🛩 👹 debulk					
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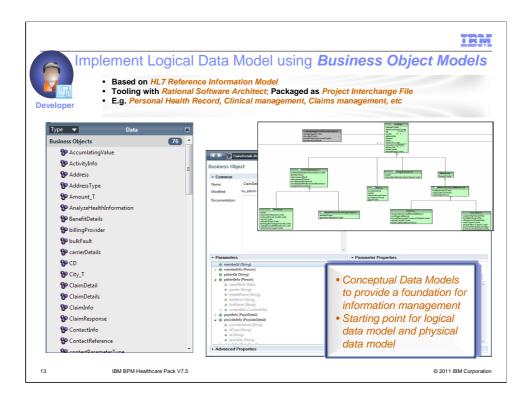
The Healthcare Common Components includes a set of Healthcare-specific common service definitions and implementations. The common services help achieve component reuse and serve as accelerators for BPM solutions, where you can use the provided implementations or customize their configurations to suit your application needs. The Common Components are based on HL7 Reference Information Model, ASC X12 EDI standards for HIPAA, and IBM Best Practices.

In this release of the BPM Healthcare Pack, it has added support for HIPAA5010 standard implementation in the Bulking, De-bulking and Error Extractor Common Components. Also the Electronic Data Interchange (EDI) parser has been made available as a utility to be used while working with HIPAA EDI files. It contains the object model for EDI transactions that can be used to read or write an EDI file. The parser can be used in an application to parse an EDI Document and generate an in-memory EDI Object Model instance of claims and other healthcare transactions.

These assets are packaged as SCA Modules that can be imported within IBM Integration Designer and then deployed onto the IBM Process Server runtime. The entire list of Common Components packaged with the BPM Healthcare Pack is available in the Information Center for BPM Industry Packs.



The Healthcare Business Vocabulary is a taxonomy of business terms derived from various industry models and standards for the Healthcare industry. The Business Vocabulary provides the ability to interoperate between diverse systems in an enterprise through business services metadata such as roles, channels, assertions, and policies. The Business Vocabulary terms are based on the HL7 Reference Information Model (RIM) version 3, HL7 Vocabulary, ASC X12 EDI standards for HIPAA and the IBM Best Practices. These assets are packaged as Fabric Content Archives that can be imported and deployed within WebSphere Business Services Fabric administrative console.

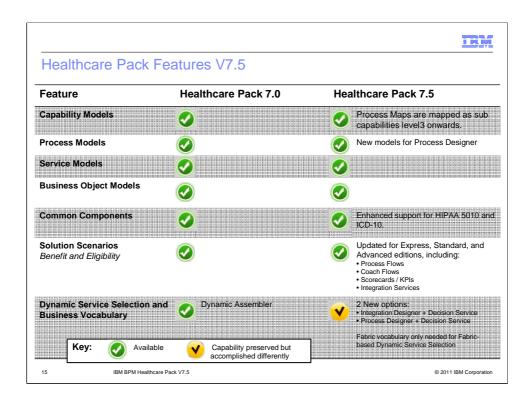


The Healthcare Business Object Models are conceptual data models that provide the foundation for information management. You can implement a logical data model (LDM) and physical data model (PDM) using the Business Object Models. These assets are based on the HL7 RIM (Reference Information Model) standards. The HL7 RIM specifies the grammar of HL7 messages, the basic building blocks of the language, and their permitted relationships.

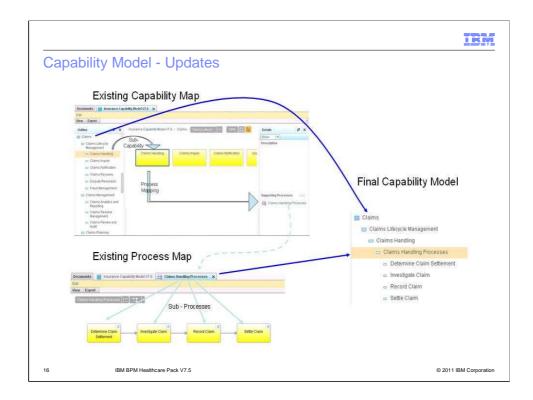
The Healthcare Business Object Model is made available as a UML model that can be imported in a UML modeling tool such as Rational Software Architect.



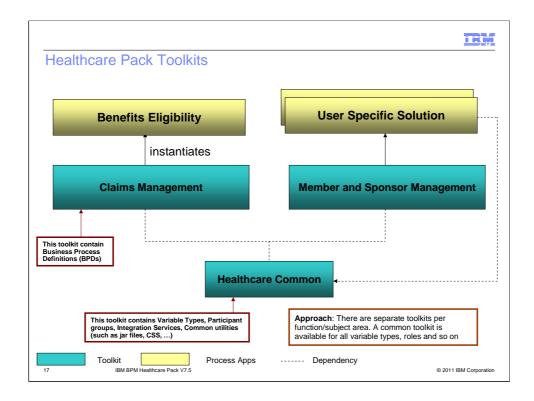
This section provides details of new features in healthcare pack V7.5



A comparison of the assets and the features provided in the previous release and the current V7.5 is shown in a tabular format.

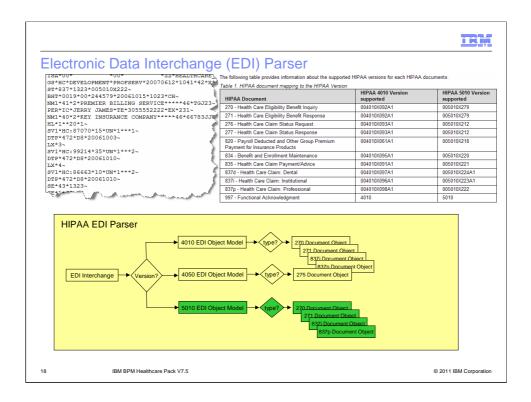


In the previous release of the BPM Healthcare pack, processes and sub processes were part of process maps, which were mapped to capability maps. In this release, these processes and sub processes have been moved such that they form the next level of sub capabilities in an existing capability map. As shown here the Claims Handling Processes is now a sub-capability under Claims Handling.



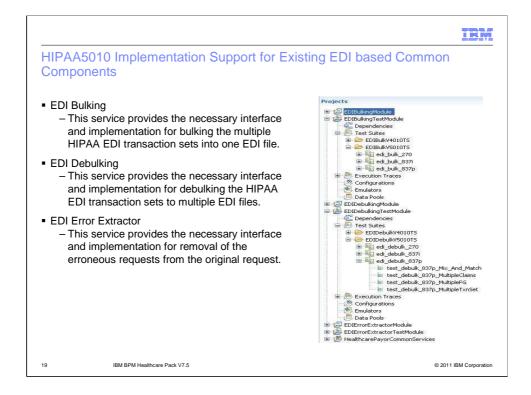
The Healthcare Process Models are modeled as Business Process Definitions (BPDs) inside the IBM Process Designer. Each of the BPDs related to a specific focus area are packaged as part of the Toolkits. The Healthcare Process Models include the **Member and Sponsor Management** and **Claims Management** Toolkits. The Healthcare Common toolkit contains reusable assets like Variable Types, Participant Groups, Integration Services and common utilities like jar files, css and so on.

Customer can use these toolkits as dependent project or can create new process applications using assets defined in toolkits.

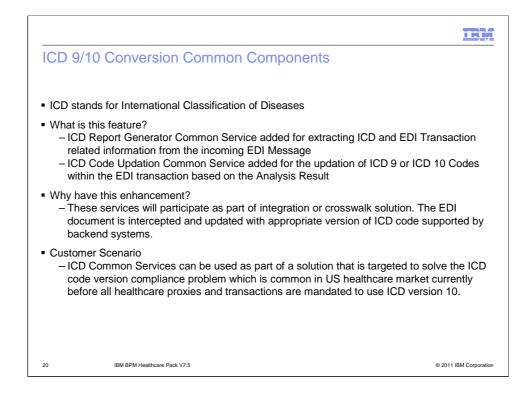


In this release the Electronic Data Interchange (EDI) parser has been made available as a utility which can be used for working with HIPAA EDI files. It contains the object model for EDI transactions that can be used to read or write an EDI file. The parser can be used in an application to parse an EDI Document and generate an in-memory EDI Object Model instance of claims and other healthcare transactions.

The table shown here provides information about the supported HIPAA versions for each HIPAA documents/transactions.

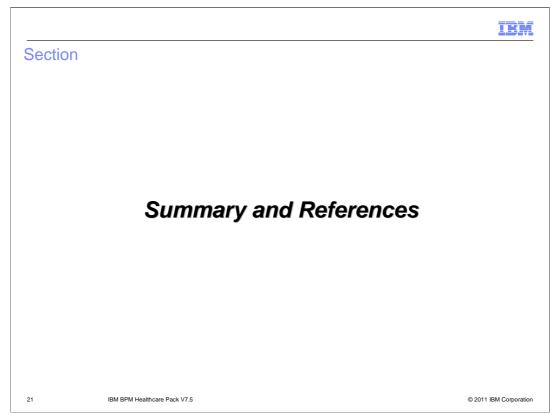


In this release of the BPM Healthcare Pack, it has added support for HIPAA5010 standard implementation in the existing EDI based common components like Bulking, De-bulking and Error Extractor.

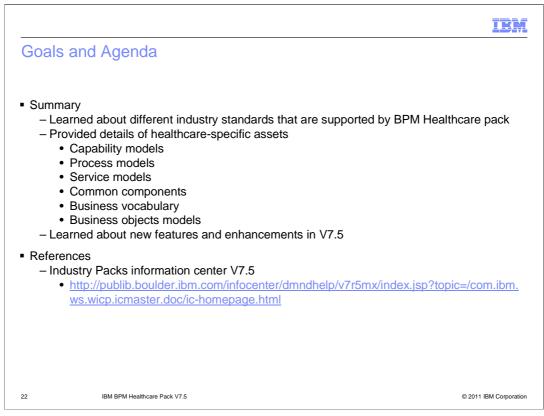


International Statistical Classification of Diseases and Related Health Problems (ICD) is an international coding system that is used to record medical diagnoses and hospital inpatient procedures.

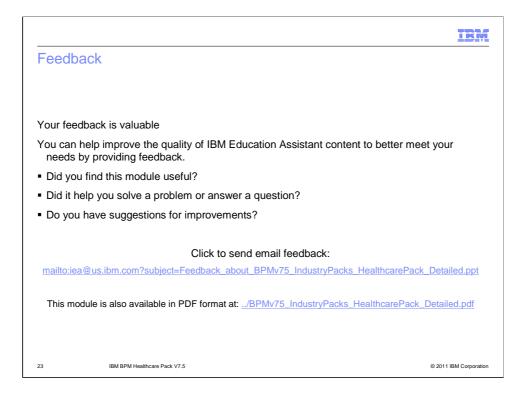
To help industry users with this transition from ICD-9 to ICD-10, several vendors are providing custom solutions. These two ICD common services can participate in development of such solutions keeping the effort of working with EDI file separate from the actual augmentation of the code.



This section provides summary about different assets and new features of BPM Healthcare Pack V7.5



In summary, you have learned about different standards and assets that are supported by BPM Healthcare Pack V7.5. You have also learned about new features in Healthcare pack V7.5



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