

## **PDM Business Information Classes**

Following are the starting points for extending PDM objects (part, document, and change objects). If you want to extend the behavior of the Windchill out-of-the-box PDM objects, start by extending these classes. For an overview of these classes, see Chapter 29, The Enterprise Layer.

**wt.change2.WTAnalysisActivity**  
**wt.change2.WTChangeActivity2**  
**wt.change2.WTChangeInvestigation**  
**wt.change2.WTChangeIssue**  
**wt.change2.WTChangeProposal**  
**wt.change2.WTChangeRequest2**  
**wt.doc.WTDocument**  
**wt.doc.WTDocumentMaster**  
**wt.part.WTPart**

**wt.part.WTPartMaster**

## **Enterprise Business Information Classes**

To create new business classes (other than the PDM classes described above), the following enterprise classes provide a good base from which to start:

**wt.enterprise.FolderResident**  
**wt.enterprise.IteratedFolderResident**  
**wt.enterprise.Managed**  
**wt.enterprise.RevisionControlled**  
**wt.enterprise.Simple**

## **Windchill Services**

The following extendable classes represent the Windchill plug-and-play interfaces. For more information, see Chapter 23, Windchill Services.

**wt.change2.Changeable2**  
**wt.content.ContentHolder**  
**wt.content.FormatContentHolder**  
**wt.folder.Foldered**  
**wt.folder.IteratedFoldered**  
**wt.index.Indexable**  
**wt.locks.Lockable**  
**wt.ownership.Ownable**  
**wt.vc.baseline.Baselineable**  
**wt.vc.Iterated**  
**wt.vc.Mastered**  
**wt.vc.Versioned**  
**wt.vc.views.ViewManageable**

**wt.vc.wip.Workable**

## **Foundation Classes**

For an overview, see Chapter 3, Modeling Business Objects, specifically the section Windchill Foundation Abstractions.

**wt.fc.BinaryLink**  
**wt.fc.IdentificationObject**  
**wt.fc.Identified**  
**wt.fc.Item**  
**wt.fc.Link**  
**wt.fc.NetFactor**  
**wt.fc.ObjectMappable**  
**wt.fc.ObjectReference**  
**wt.fc.ObjectToObjectLink**  
**wt.fc.Persistable**  
**wt.fc.QueryKey**  
**wt.fc.SemanticKey**  
**wt.fc.UniquelyIdentified**  
**wt.fc.WTObject**  
**wt.fc.WTReference**

## **PDM Auxiliary Business Information Classes**

The following extendable classes provide some of the basic functionality of the PDM business information classes.

**wt.vc.ObjectToVersionLink**  
**wt.vc.struct.IteratedDescribeLink**  
**wt.vc.struct.IteratedReferenceLink**  
**wt.vc.struct.IteratedUsageLink**  
**wt.VersionToVersionLink**

## **Business Logic Classes**

Following are extendable business logic classes:

**wt.eff.DateEff**  
**wt.eff.DisplayIdentificationEffConfigurationItemDelegate**  
**wt.eff.DisplayIdentificationProductInstanceDelegate**  
**wt.eff.Eff**  
**wt.eff.EffConfigurationItem**  
**wt.eff.EffContext**  
**wt.eff.EffGroupRangeDelegate**  
**wt.eff.EffManagedVersion**  
**wt.eff.EffRange**  
**wt.eff.IncorporationDate**  
**wt.eff.LeftFilledStringEff**  
**wt.eff.ProductSolution**

**wt.eff.StringEff**  
**wt.eff.ValidEffsDelegate**  
**wt.effectivity.DatedEffectivity**  
**wt.effectivity.Effectivity**  
**wt.effectivity.UnitEffectivity**  
**wt.part.BOMHierarchyVisitor**  
**wt.part.BOMPartsListVisitor**  
**wt.part.BOMTemplateProcessor**  
**wt.part.HtmlHeadingHierarchyVisitor**  
**wt.part.HtmlNumberedHierarchyVisitor**  
**wt.part.HtmlPreformattedHierarchyVisitor**  
**wt.part.HtmlPreformattedPartsListVisitor**  
**wt.part.HtmlTabularPartsListVisitor**

## **Extendable Classes in the Windchill Supported API**

**wt.series.HarvardSeries**  
**wt.series.IntegerSeries**  
**wt.series.MulticharacterSeries**  
**wt.series.MultilevelSeries**  
**wt.series.Series**  
**wt.vc.baseline.Baseline**  
**wt.vc.baseline.BaselineVisitor**  
**wt.vc.baseline.ManagedBaseline**  
**wt.vc.config.ConfigSpec**  
**wt.visitor.BasicNodeExpander**  
**wt.visitor.CompositeVisitor**  
**wt.visitor.ConfigSpecNodeExpander**  
**wt.visitor.Expander**  
**wt.visitor.Navigator**  
**wt.visitor.NodeExpander**  
**wt.visitor.NodeExpandInfo**  
**wt.visitor.RoleExpandInfo**  
**wt.visitor.TextOutputVisitor**  
**wt.visitor.Visitor**  
**wt.visitor.VisitorAdapter**  
**wt.visitor.Walker**

## **Server Development Classes**

**Following are extendable server development classes:**

**wt.cache.CacheManager**  
**wt.doc.DocumentContentProcessing**  
**wt.doc.DocumentDelegate**  
**wt.doc.WTDocumentDelegate**  
**wt.events.KeyedEvent**  
**wt.events.KeyedEventBranch**  
**wt.events.KeyedEventListener**  
**wt.events.KeyedEventListenerAdapter**

**wt.feedback.ProgressCountFeedback**  
**wt.feedback.StatusFeedback**  
**wt.feedback.WTContextUpdate**  
**wt.httpgw.HTTPAuthentication**  
**wt.index.IndexDelegate**  
**wt.pom.TransactionListener**  
**wt.util.CollationKeyFactory**  
**wt.util.WTThread**

## **Client Development Classes**

**Following are extendable client development classes:**

**wt.clients.beans.AssociationsLogic**  
**wt.clients.beans.EffectivityTaskLogic**  
**wt.clients.beans.explorer.WTBusinessObject**  
**wt.clients.beans.selectors.ComponentDelegate**  
**wt.clients.change2.WTChangeIssueTaskDelegate**  
**wt.clients.change2.WTChangeOrder2TaskDelegate**  
**wt.clients.change2.WTChangeRequest2TaskDelegate**  
**wt.clients.doc.WTDocumentTaskDelegate**  
**wt.clients.effectivity.ConfigurationItemTaskDelegate**  
**wt.clients.folder.SubFolderTaskDelegate**  
**wt.clients.homepage.WindchillHome**  
**wt.clients.prodmgmt.HelperPanel**  
**wt.clients.prodmgmt.PartItem**  
**wt.clients.prodmgmt.PartMasterItem**  
**wt.clients.util.ReferenceHolder**  
**wt.clients.util.TaskDelegateException**  
**wt.clients.vc.AlreadyCheckedOutException**  
**wt.clients.vc.CheckedOutByOtherException**  
**wt.clients.vc.CheckInOutException**  
**wt.clients.vc.NotCheckedOutException**  
**wt.identity.DisplayIdentification**  
**wt.identity.DisplayIdentificationDelegate**  
**wt.identity.DisplayIdentificationPersistableDelegate**  
**wt.identity.DisplayIdentificationStandardDelegate**  
**wt.identity.DisplayIdentificationStandardVersionedDelegate**  
**wt.identity.DisplayIdentificationVersionedDelegate**  
**wt.identity.DisplayIdentity**  
**wt.identity.StandardDisplayIdentity**  
**wt.identity.VersionedDisplayIdentity**  
**wt.query.report.MacroProcessor**  
**wt.util.LocalizableMessage**