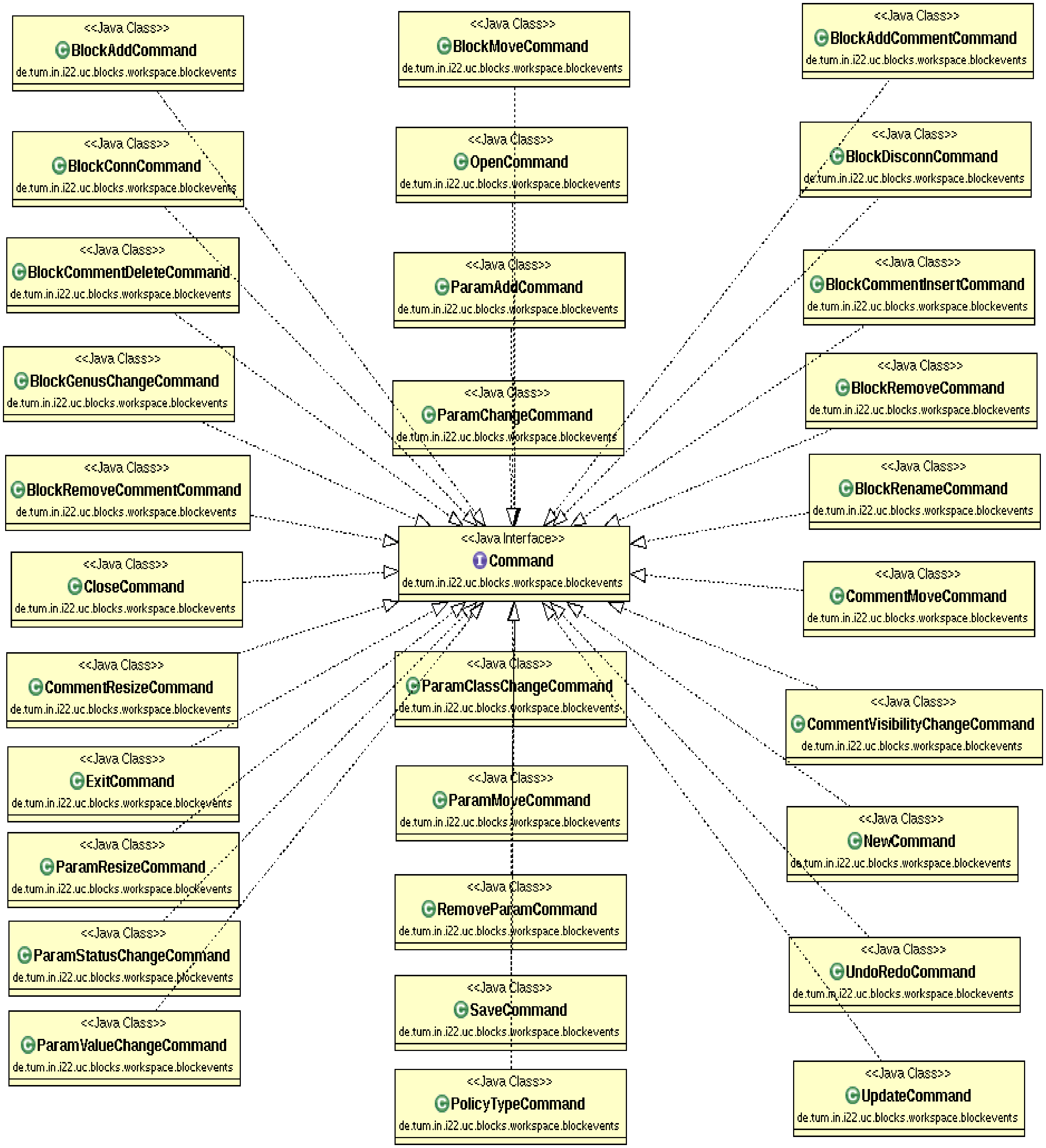
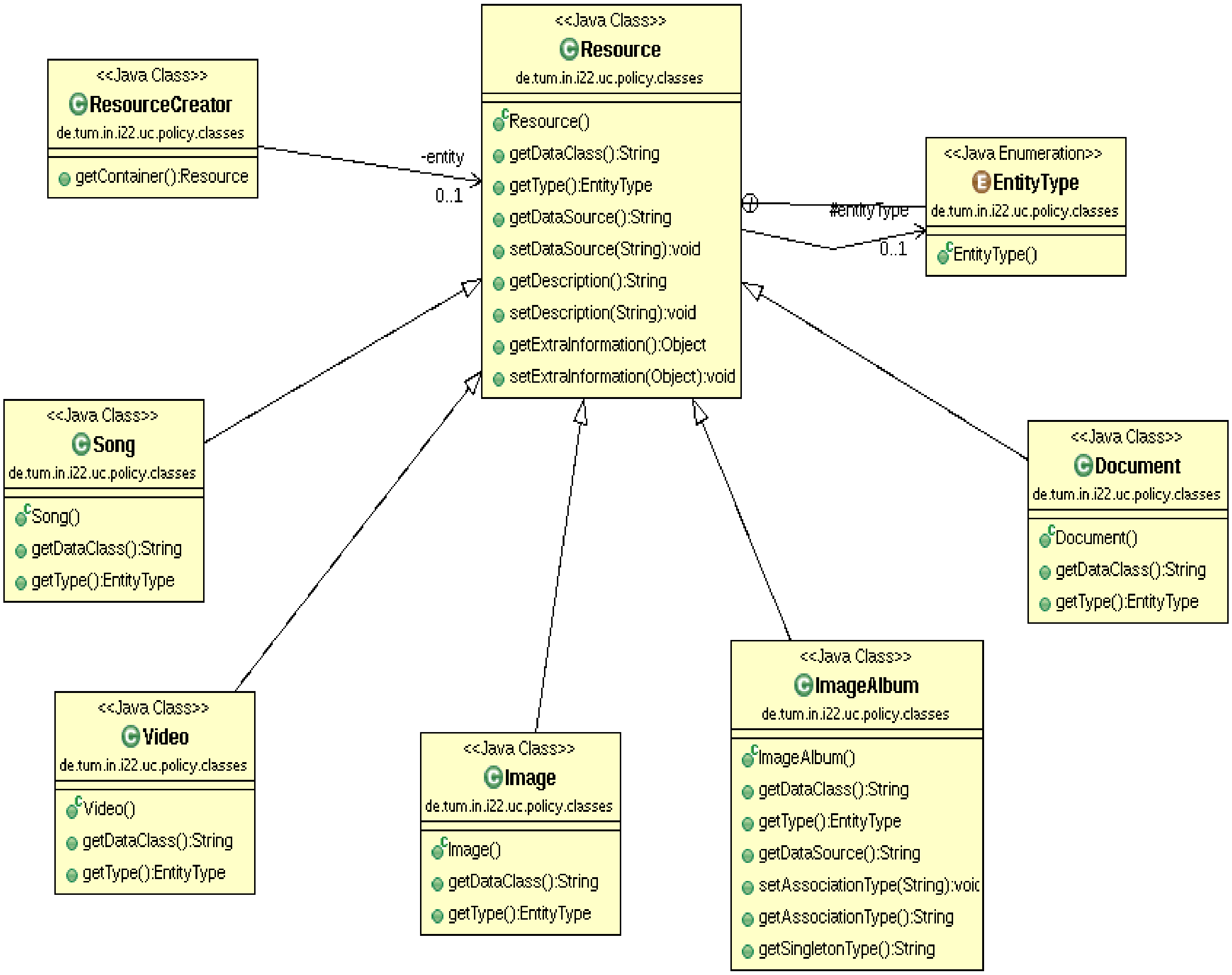
Package Name: de.tum.in.i22.blocks.workspace.blockevents

This package handles undo and redo of all block-related events.


<<Java Class>>
BlockAddCommand
de.tum.in.i22.uc.blocks.workspace.blockevents
<<Java Class>>
BlockConnCommand
de.tum.in.i22.uc.blocks.workspace.blockevents
<<Java Class>>
BlockCommentDeleteCommand
de.tum.in.i22.uc.blocks.workspace.blockevents
<<Java Class>>
BlockGenusChangeCommand
de.tum.in.i22.uc.blocks.workspace.blockevents
<<Java Class>>
BlockRemoveCommentCommand
de.tum.in.i22.uc.blocks.workspace.blockevents
<<Java Class>>
CloseCommand
de.tum.in.i22.uc.blocks.workspace.blockevents
<<Java Class>>
CommentResizeCommand
de.tum.in.i22.uc.blocks.workspace.blockevents
<<Java Class>>
ExitCommand
de.tum.in.i22.uc.blocks.workspace.blockevents
<<Java Class>>
ParamResizeCommand
de.tum.in.i22.uc.blocks.workspace.blockevents
<<Java Class>>
ParamStatusChangeCommand
de.tum.in.i22.uc.blocks.workspace.blockevents
<<Java Class>>
ParamValueChangeCommand
de.tum.in.i22.uc.blocks.workspace.blockevents
<<Java Class>>
BlockMoveCommand
de.tum.in.i22.uc.blocks.workspace.blockevents
<<Java Class>>
OpenCommand
de.tum.in.i22.uc.blocks.workspace.blockevents
<<Java Class>>
ParamAddCommand
de.tum.in.i22.uc.blocks.workspace.blockevents
<<Java Class>>
ParamChangeCommand
de.tum.in.i22.uc.blocks.workspace.blockevents
<<Java Interface>>
Command
de.tum.in.i22.uc.blocks.workspace.blockevents
<<Java Class>>
ParamClassChangeCommand
de.tum.in.i22.uc.blocks.workspace.blockevents
<<Java Class>>
ParamMoveCommand
de.tum.in.i22.uc.blocks.workspace.blockevents
<<Java Class>>
RemoveParamCommand
de.tum.in.i22.uc.blocks.workspace.blockevents
<<Java Class>>
SaveCommand
de.tum.in.i22.uc.blocks.workspace.blockevents
<<Java Class>>
PolicyTypeCommand
de.tum.in.i22.uc.blocks.workspace.blockevents
<<Java Class>>
BlockAddCommentCommand
de.tum.in.i22.uc.blocks.workspace.blockevents
<<Java Class>>
BlockDisconnCommand
de.tum.in.i22.uc.blocks.workspace.blockevents
<<Java Class>>
BlockCommentInsertCommand
de.tum.in.i22.uc.blocks.workspace.blockevents
<<Java Class>>
BlockRemoveCommand
de.tum.in.i22.uc.blocks.workspace.blockevents
<<Java Class>>
BlockRenameCommand
de.tum.in.i22.uc.blocks.workspace.blockevents
<<Java Class>>
CommentMoveCommand
de.tum.in.i22.uc.blocks.workspace.blockevents
<<Java Class>>
CommentVisibilityChangeCommand
de.tum.in.i22.uc.blocks.workspace.blockevents
<<Java Class>>
NewCommand
de.tum.in.i22.uc.blocks.workspace.blockevents
<<Java Class>>
UndoRedoCommand
de.tum.in.i22.uc.blocks.workspace.blockevents
<<Java Class>>
UpdateCommand
de.tum.in.i22.uc.blocks.workspace.blockevents

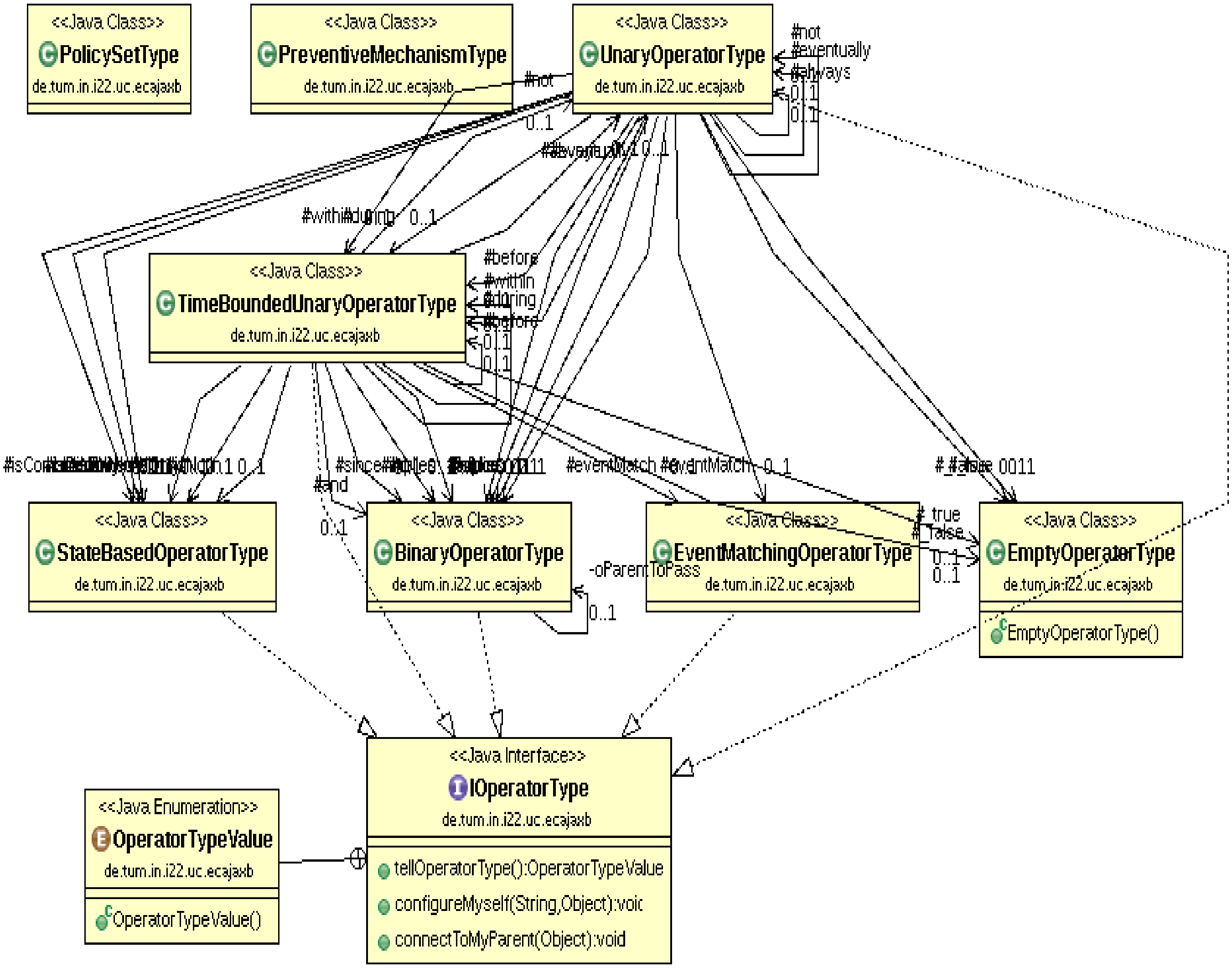
Package name: de.tum.in.i22.uc.policy.classes

A resource defines some data which a user would want to exercise control over.



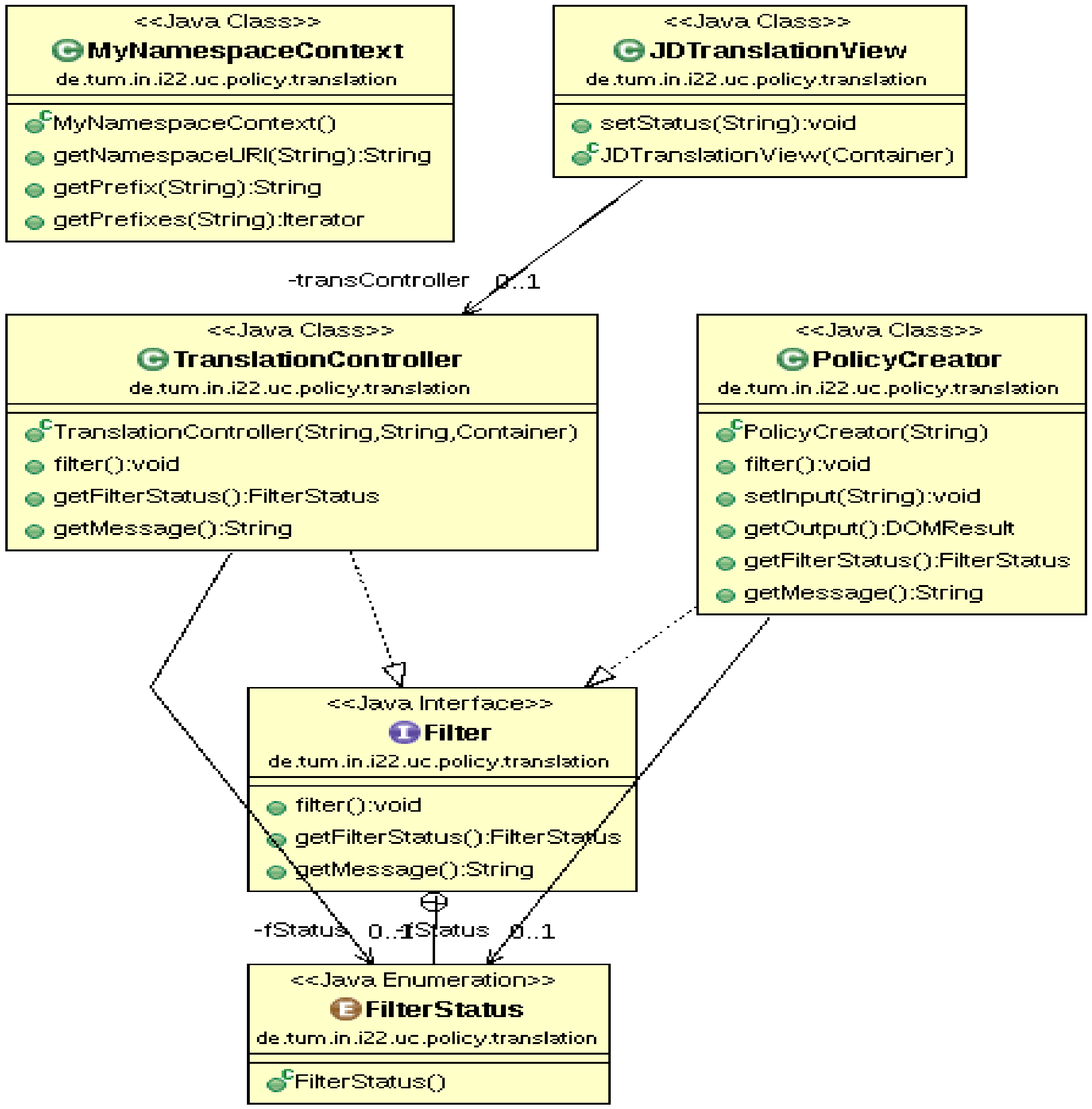
Package name: de.tum.in.i22.uc.ecajaxb

The classes in this package are generated using java’s xjc tool working on schema files. They are used in producing the final translated policy file. In order to unify operations around all operator classes, the IOperatorType interface was made.

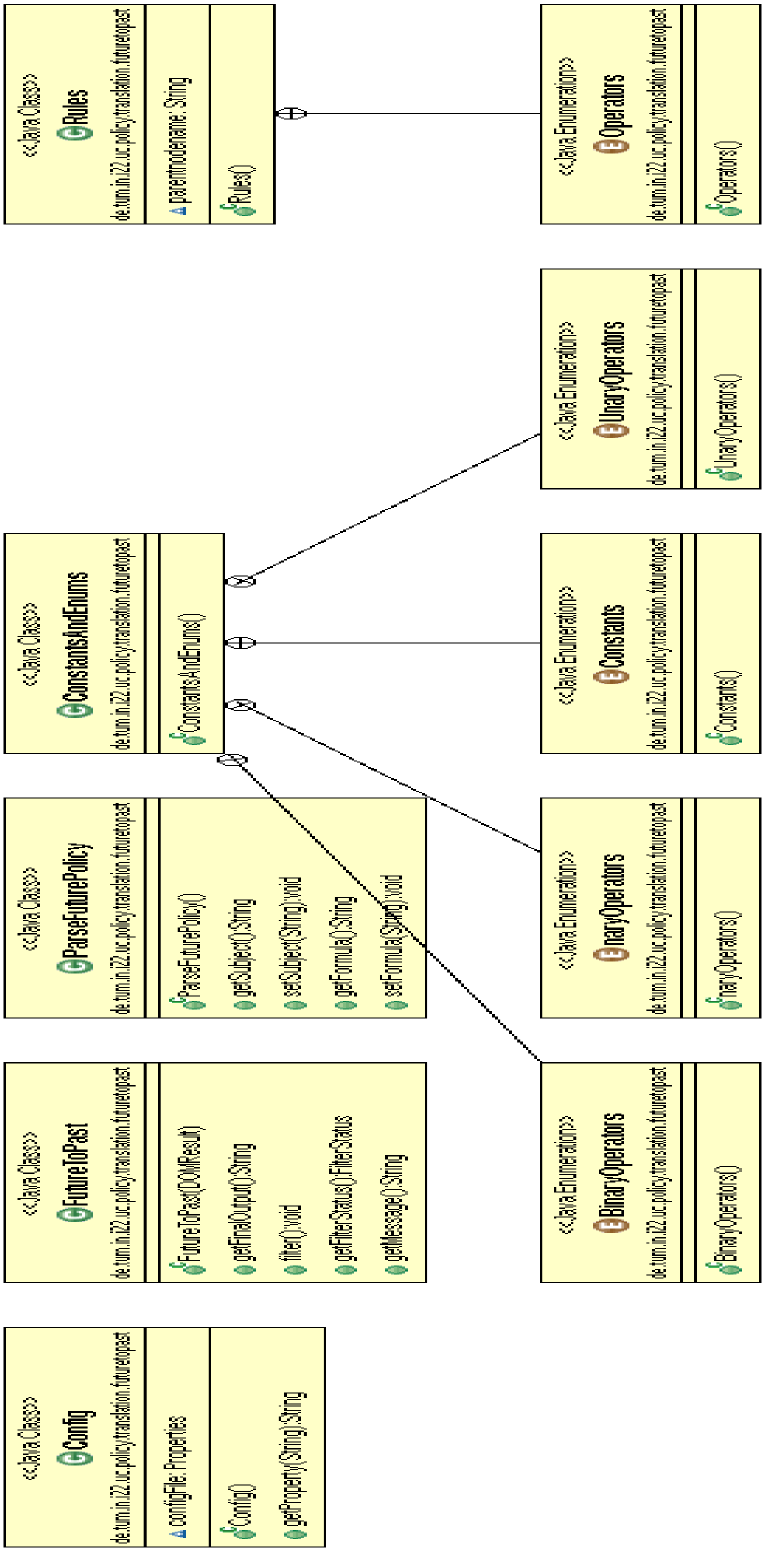


Package name: de.tum.in.i22.uc.policy.translation

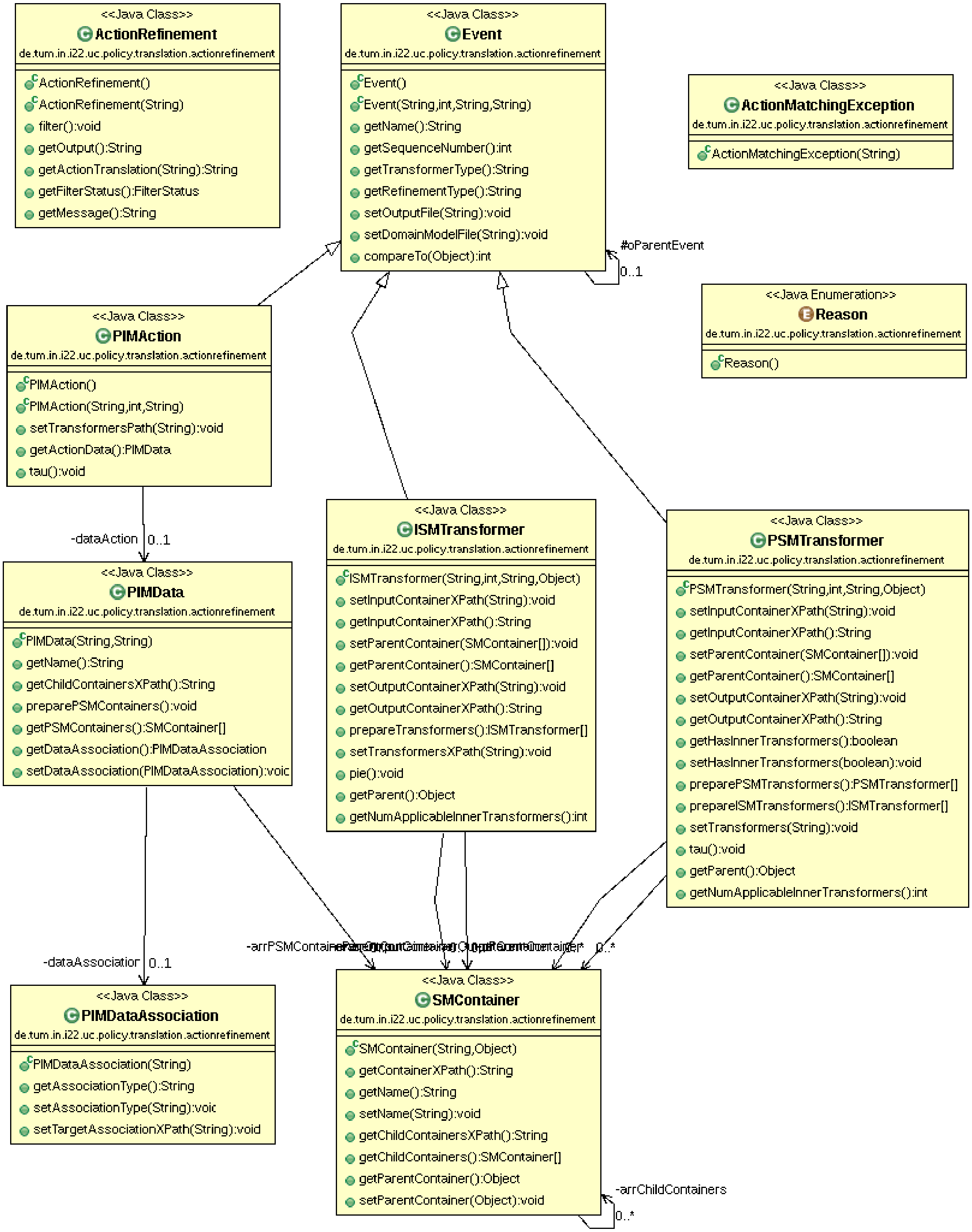
The UI for translation is JDTranslationView. In the spirit of MVC, a TransactionController mediates between the view and the actual translation process which starts with creating a policy file from the user's diagram saved policy. As the translation process is a part of the pipe and filter architecture, it implements the Filter interface so we can monitors



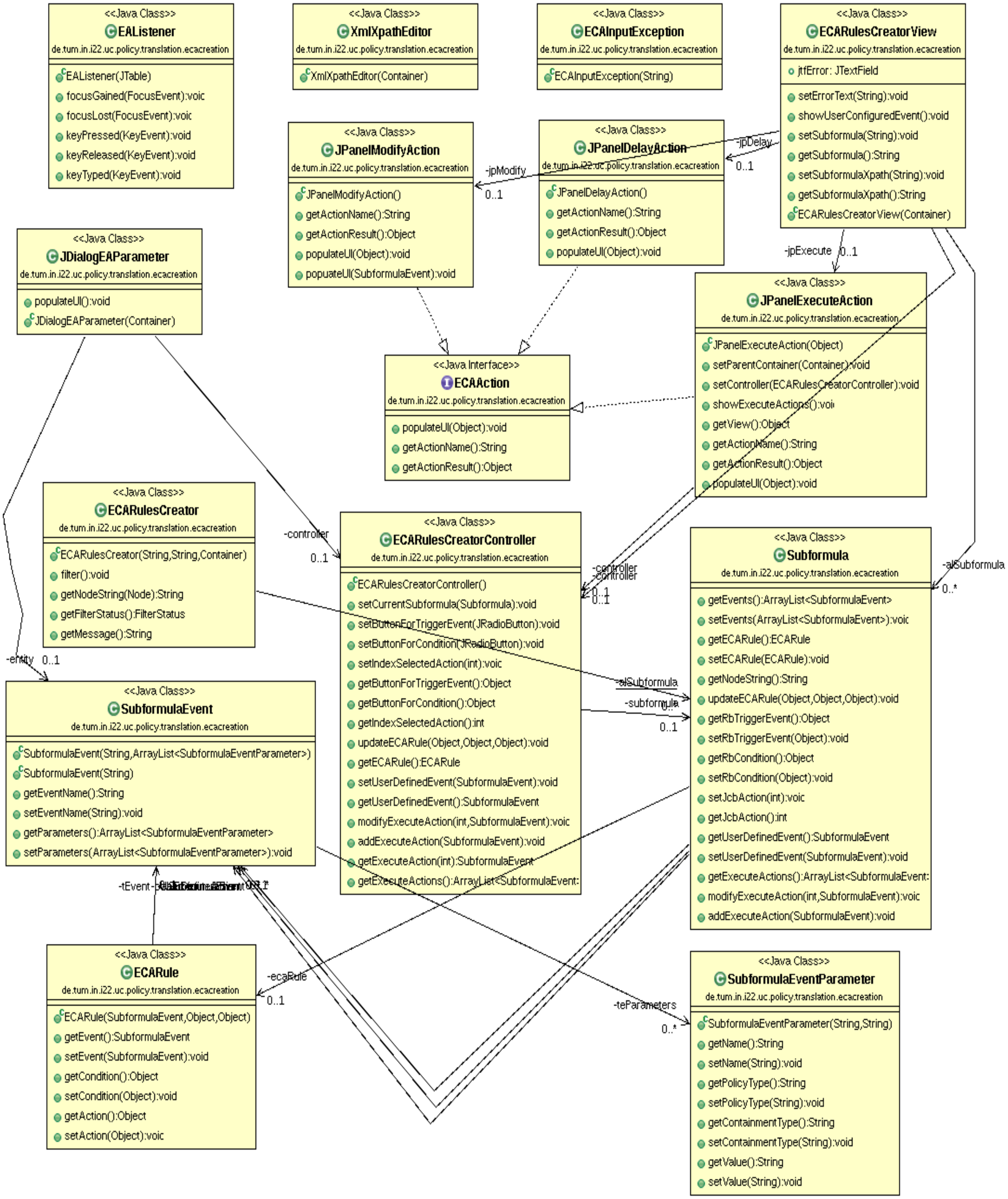
Package name: de.tum.in.i22.uc.translation.futuretopast



Package name:de.tum.in.i22.uc.policy.translation.actionrefinement


<<Java Class>>
ActionRefinement
de.tum.in.i22.uc.policy.translation.actionrefinement
ActionRefinement()
ActionRefinement(String)
filter():void
getOutput():String
getActionTranslation(String):String
getFilterStatus():FilterStatus
getMessage():String
<<Java Class>>
Event
de.tum.in.i22.uc.policy.translation.actionrefinement
Event()
Event(String,int,String,String)
getName():String
getSequenceNumber():int
getTransformerType():String
getRefinementType():String
setOutputFile(String):void
setDomainModelFile(String):void
compareTo(Object):int
#oParentEvent
0..1
<<Java Class>>
ActionMatchingException
de.tum.in.i22.uc.policy.translation.actionrefinement
ActionMatchingException(String)
<<Java Enumeration>>
Reason
de.tum.in.i22.uc.policy.translation.actionrefinement
Reason()
<<Java Class>>
PIMAction
de.tum.in.i22.uc.policy.translation.actionrefinement
PIMAction()
PIMAction(String,int,String)
setTransformersPath(String):void
getActionData():PIMData
tau():void
-dataAction
0..1
<<Java Class>>
PIMData
de.tum.in.i22.uc.policy.translation.actionrefinement
PIMData(String,String)
getName():String
getChildContainersXPath():String
preparePSMContainers():void
getPSMContainers():SMContainer[]
getDataAssociation():PIMDataAssociation
setDataAssociation(PIMDataAssociation):voic
-dataAssociatior
0..1
<<Java Class>>
PIMDataAssociation
de.tum.in.i22.uc.policy.translation.actionrefinement
PIMDataAssociation(String)
getAssociationType():String
setAssociationType(String):voic
setTargetAssociationXPath(String):void
<<Java Class>>
ISMTransformer
de.tum.in.i22.uc.policy.translation.actionrefinement
ISMTransformer(String,int,String,Object)
setInputContainerXPath(String):void
getInputContainerXPath():String
setParentContainer(SMContainer[]):void
getParentContainer():SMContainer[]
setOutputContainerXPath(String):void
getOutputContainerXPath():String
prepareTransformers():ISMTransformer[]
setTransformersXPath(String):void
pie():void
getParent():Object
getNumApplicableInnerTransformers():int
<<Java Class>>
PSMTransformer
de.tum.in.i22.uc.policy.translation.actionrefinement
PSMTransformer(String,int,String,Object)
setInputContainerXPath(String):void
getInputContainerXPath():String
setParentContainer(SMContainer[]):void
getParentContainer():SMContainer[]
setOutputContainerXPath(String):void
getOutputContainerXPath():String
getHasInnerTransformers():boolean
setHasInnerTransformers(boolean):void
preparePSMTransformers():PSMTransformer[]
prepareISMTransformers():ISMTransformer[]
setTransformers(String):void
tau():void
getParent():Object
getNumApplicableInnerTransformers():int
-arrPSMContaine
0..*
<<Java Class>>
SMContainer
de.tum.in.i22.uc.policy.translation.actionrefinement
SMContainer(String,Object)
getContainerXPath():String
getName():String
setName(String):void
getChildContainersXPath():String
getChildContainers():SMContainer[]
getParentContainer():Object
setParentContainer(Object):void
-arrChildContainers
0..*

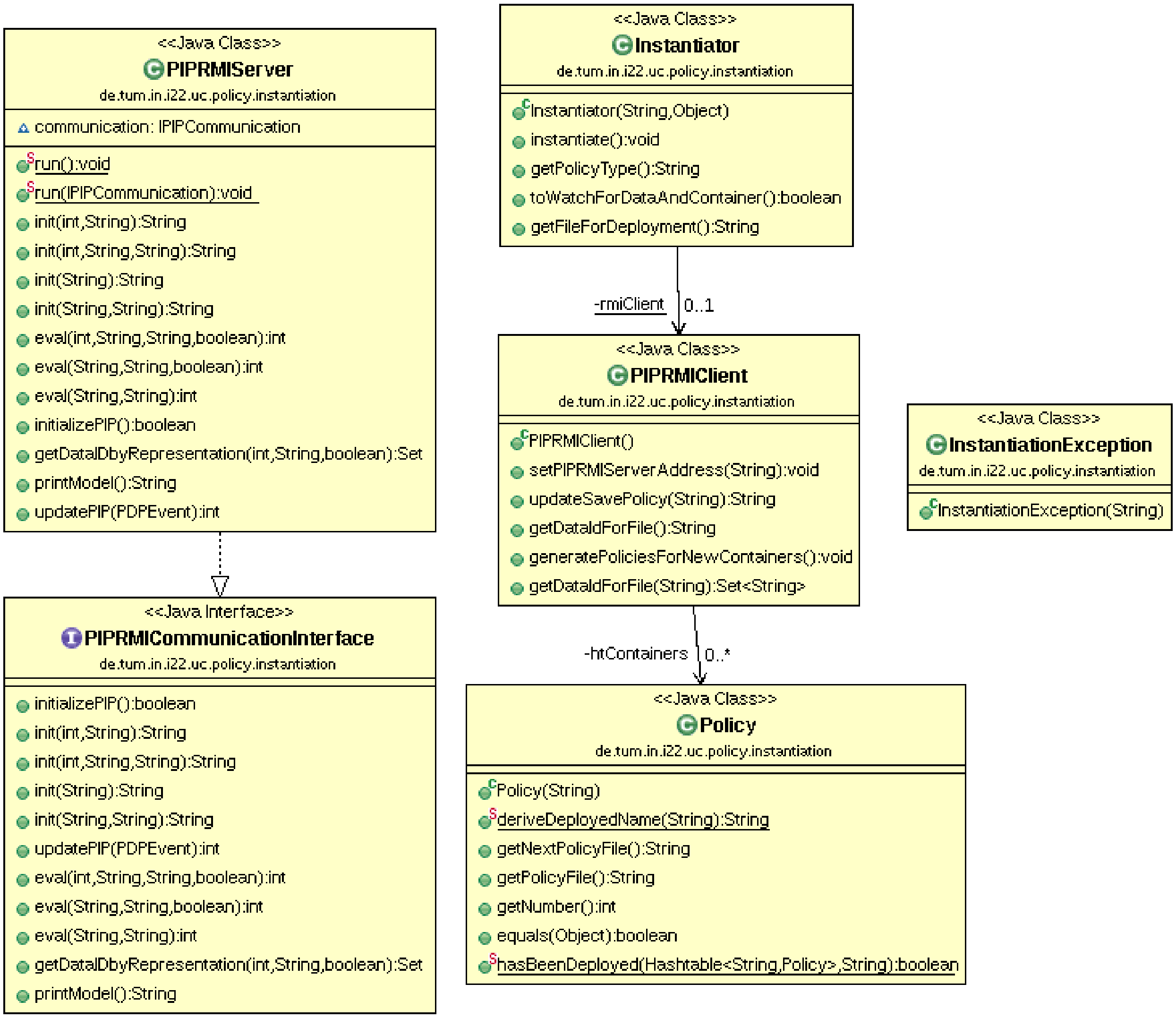
Package name: de.tum.in.i22.uc.policy.translation.ecacreation



<<Java Class>>
EAListener
de.tum.in.i22.uc.policy.translation.ecacreation
EAListener(JTable)
focusGained(FocusEvent):voic
focusLost(FocusEvent):voic
keyPressed(KeyEvent):void
keyReleased(KeyEvent):void
keyTyped(KeyEvent):void
<<Java Class>>
XmlXpathEditor
de.tum.in.i22.uc.policy.translation.ecacreation
XmlXpathEditor(Container)
<<Java Class>>
ECAInputException
de.tum.in.i22.uc.policy.translation.ecacreation
ECAInputException(String)
<<Java Class>>
ECARulesCreatorView
de.tum.in.i22.uc.policy.translation.ecacreation
jtfError: JTextField
setErrorText(String):void
showUserConfiguredEvent():void
setSubformula(String):void
getSubformula():String
setSubformulaXpath(String):void
getSubformulaXpath():String
ECARulesCreatorView(Container)
<<Java Class>>
JPanelModifyAction
de.tum.in.i22.uc.policy.translation.ecacreation
JPanelModifyAction()
getActionName():String
getActionResult():Object
populateUI(Object):void
popuateUI(SubformulaEvent):void
-jpModify
0..1
<<Java Class>>
JPanelDelayAction
de.tum.in.i22.uc.policy.translation.ecacreation
JPanelDelayAction()
getActionName():String
getActionResult():Object
populateUI(Object):void
-jpDelay
0..1
-jpExecute
0..1
<<Java Class>>
JDialogEAParameter
de.tum.in.i22.uc.policy.translation.ecacreation
populateUI():void
JDialogEAParameter(Container)
<<Java Class>>
JPanelExecuteAction
de.tum.in.i22.uc.policy.translation.ecacreation
JPanelExecuteAction(Object)
setParentContainer(Container):void
setController(ECARulesCreatorController):void
showExecuteActions():voi
getView():Object
getActionName():String
getActionResult():Object
populateUI(Object):void
<<Java Interface>>
ECAAction
de.tum.in.i22.uc.policy.translation.ecacreation
populateUI(Object):void
getActionName():String
getActionResult():Object
<<Java Class>>
ECARulesCreator
de.tum.in.i22.uc.policy.translation.ecacreation
ECARulesCreator(String,String,Container)
filter():void
getNodeString(Node):String
getFilterStatus():FilterStatus
getMessage():String
-controller
0..1
<<Java Class>>
ECARulesCreatorController
de.tum.in.i22.uc.policy.translation.ecacreation
ECARulesCreatorController()
setCurrentSubformula(Subformula):void
setButtonForTriggerEvent(JRadioButton):void
setButtonForCondition(JRadioButton):void
setIndexSelectedAction(int):voic
getButtonForTriggerEvent():Object
getButtonForCondition():Object
getIndexSelectedAction():int
updateECARule(Object,Object,Object):void
getECARule():ECARule
setUserDefinedEvent(SubformulaEvent):void
getUserDefinedEvent():SubformulaEvent
modifyExecuteAction(int,SubformulaEvent):voic
addExecuteAction(SubformulaEvent):void
getExecuteAction(int):SubformulaEvent
getExecuteActions():ArrayList<SubformulaEvent:
-controller
-controller
0..1
0..1
<<Java Class>>
Subformula
de.tum.in.i22.uc.policy.translation.ecacreation
getEvents():ArrayList<SubformulaEvent>
setEvents(ArrayList<SubformulaEvent>):voic
getECARule():ECARule
setECARule(ECARule):void
getNodeString():String
updateECARule(Object,Object,Object):void
getRbTriggerEvent():Object
setRbTriggerEvent(Object):void
getRbCondition():Object
setRbCondition(Object):void
setJcbAction(int):voic
getJcbAction():int
getUserDefinedEvent():SubformulaEvent
setUserDefinedEvent(SubformulaEvent):void
getExecuteActions():ArrayList<SubformulaEvent:
modifyExecuteAction(int,SubformulaEvent):voic
addExecuteAction(SubformulaEvent):void
-alSubformula
0..*
-alSubformula
-subformula
0..1
-entity
0..1
<<Java Class>>
SubformulaEvent
de.tum.in.i22.uc.policy.translation.ecacreation
SubformulaEvent(String,ArrayList<SubformulaEventParameter>)
SubformulaEvent(String)
getEventName():String
setEventName(String):void
getParameters():ArrayList<SubformulaEventParameter>
setParameters(ArrayList<SubformulaEventParameter>):void
-tEvent
0..1
-ecaRule
0..1
<<Java Class>>
ECARule
de.tum.in.i22.uc.policy.translation.ecacreation
ECARule(SubformulaEvent,Object,Object)
getEvent():SubformulaEvent
setEvent(SubformulaEvent):void
getCondition():Object
setCondition(Object):void
getAction():Object
setAction(Object):voic
-teParameters
0..*
<<Java Class>>
SubformulaEventParameter
de.tum.in.i22.uc.policy.translation.ecacreation
SubformulaEventParameter(String,String)
getName():String
setName(String):void
getPolicyType():String
setPolicyType(String):void
getContainmentType():String
setContainmentType(String):void
getValue():String
setValue(String):void

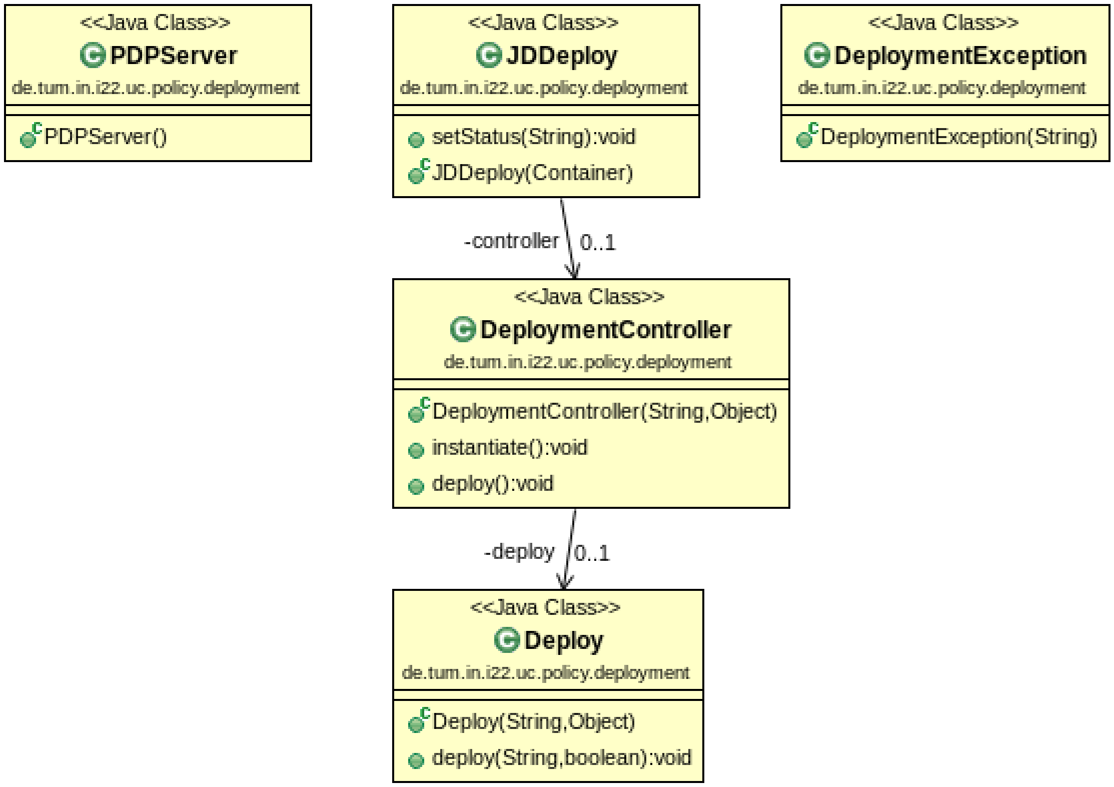
Package name: de.tum.in.i22.uc.policy.instantiation

Instantiation means communicating with the Policy Information Point (PIP) to get information about data replication into new containers and then creating policies for those containers. It uses a RMI.



<<Java Class>>
PIPRMIServer
de.tum.in.i22.uc.policy.instantiation
communication: IPIPCommunication
run():void
run(IPIPCommunication):void
init(int,String):String
init(int,String,String):String
init(String):String
init(String,String):String
eval(int,String,String,boolean):int
eval(String,String,boolean):int
eval(String,String):int
initializePIP():boolean
getDataIDbyRepresentation(int,String,boolean):Set
printModel():String
updatePIP(PDPEvent):int
<<Java Class>>
Instantiator
de.tum.in.i22.uc.policy.instantiation
Instantiator(String,Object)
instantiate():void
getPolicyType():String
toWatchForDataAndContainer():boolean
getFileForDeployment():String
-rmiClient
0..1
<<Java Class>>
PIPRMIClient
de.tum.in.i22.uc.policy.instantiation
PIPRMIClient()
setPIPRMIServerAddress(String):void
updateSavePolicy(String):String
getDataIdForFile():String
generatePoliciesForNewContainers():void
getDataIdForFile(String):Set<String>
<<Java Class>>
InstantiationException
de.tum.in.i22.uc.policy.instantiation
InstantiationException(String)
<<Java Interface>>
PIPRMICommunicationInterface
de.tum.in.i22.uc.policy.instantiation
initializePIP():boolean
init(int,String):String
init(int,String,String):String
init(String):String
init(String,String):String
updatePIP(PDPEvent):int
eval(int,String,String,boolean):int
eval(String,String,boolean):int
eval(String,String):int
getDataIDbyRepresentation(int,String,boolean):Set
printModel():String
-htContainers
0..*
<<Java Class>>
Policy
de.tum.in.i22.uc.policy.instantiation
Policy(String)
deriveDeployedName(String):String
getNextPolicyFile():String
getPolicyFile():String
getNumber():int
equals(Object):boolean
hasBeenDeployed(Hashtable<String,Policy>,String):boolean

Package name: de.tum.in.i22.uc.policy.deployment



<<Java Class>>
PDPServer
de.tum.in.i22.uc.policy.deployment
PDPServer()
<<Java Class>>
JDDeploy
de.tum.in.i22.uc.policy.deployment
setStatus(String):void
JDDeploy(Container)
<<Java Class>>
DeploymentException
de.tum.in.i22.uc.policy.deployment
DeploymentException(String)
-controller
0..1
<<Java Class>>
DeploymentController
de.tum.in.i22.uc.policy.deployment
DeploymentController(String,Object)
instantiate():void
deploy():void
-deploy
0..1
<<Java Class>>
Deploy
de.tum.in.i22.uc.policy.deployment
Deploy(String,Object)
deploy(String,boolean):void