

Data model-Documentation

Database: Standard

JavaName	Class	GenSecure	GenInsecure	MassDeletes	MassUpdates	Page
org.enhydra.shark.instancepersistence.data.Activity	Activity	false	true	true	false	1
org.enhydra.shark.instancepersistence.data.ActivityData	ActivityData	false	true	true	false	1
org.enhydra.shark.instancepersistence.data.ActivityDataBLOB	ActivityDataBLOB	false	true	true	false	2
org.enhydra.shark.instancepersistence.data.ActivityDataWOB	ActivityDataWOB	false	true	true	false	2
org.enhydra.shark.instancepersistence.data.ActivityState	ActivityState	false	true	true	false	2
org.enhydra.shark.instancepersistence.data.AndJoinEntry	AndJoinEntry	false	true	true	false	3
org.enhydra.shark.instancepersistence.data.Assignment	Assignment	false	true	true	false	3
org.enhydra.shark.instancepersistence.data.Deadline	Deadline	false	true	true	false	3
org.enhydra.shark.instancepersistence.data.Process	Process	false	true	true	false	4
org.enhydra.shark.instancepersistence.data.ProcessData	ProcessData	false	true	true	false	4
org.enhydra.shark.instancepersistence.data.ProcessDataBLOB	ProcessDataBLOB	false	true	true	false	5
org.enhydra.shark.instancepersistence.data.ProcessDataWOB	ProcessDataWOB	false	true	true	false	5
org.enhydra.shark.instancepersistence.data.ProcessDefinition	ProcessDefinition	false	true	true	false	5
org.enhydra.shark.instancepersistence.data.ProcessRequester	ProcessRequester	false	true	true	false	6
org.enhydra.shark.instancepersistence.data.ProcessState	ProcessState	false	true	true	false	6
org.enhydra.shark.instancepersistence.data.Resource	Resource	false	true	true	false	6

Class: Activity
id: Activity
Table Name: SHKActivities
GenerateSecure: false
GenerateInsecure: true
MassDeletes: true
MassUpdates: false

Relations

Class	Table Name	Attribute	Page
ProcessRequester	SHKProcessRequesters	ActivityRequester	6
Assignment	SHKAssignmentsTable	Activity	3
ActivityData	SHKActivityData	Activity	1
ActivityDataWOB	SHKActivityDataWOB	Activity	2
AndJoinEntry	SHKAndJoinTable	BlockActivity	3
AndJoinEntry	SHKAndJoinTable	Activity	3
Deadline	SHKDeadlines	Activity	3

Attributes

id	Query	Constr	Null	Java Type	Type	Size	Reference	Reference Table	Page
Old			no	java.math.BigDecimal	DECIMAL	19,0			
Version			no	int	INTEGER	4,0			
Id	yes	no	no	String	VARCHAR	100			
ActivitySetDefinitionId	yes	no	yes	String	VARCHAR	90			
ActivityDefinitionId	yes	no	no	String	VARCHAR	90			
Process	yes	yes	no	ProcessDO	DECIMAL	19,0	Process	SHKProcesses	4
TheResource	yes	yes	no	ResourceDO	DECIMAL	19,0	Resource	SHKResourcesTable	6
PDefName	yes	no	no	String	VARCHAR	200			
ProcessId	yes	no	no	String	VARCHAR	200			
ResourceId	yes	no	yes	String	VARCHAR	100			
State	yes	yes	no	ActivityStateDO	DECIMAL	19,0	ActivityState	SHKActivityStates	2
BlockActivityId	yes	no	yes	String	VARCHAR	100			
Performer	yes	no	yes	String	VARCHAR	100			
IsPerformerAsynchronous	yes	no	yes	boolean	BIT	3,0			
Priority	yes	no	yes	int	INTEGER	12,0			
Name	yes	no	yes	String	VARCHAR	254			
Activated	yes	no	no	long	BIGINT	20,0			
ActivatedTZO	yes	no	no	long	BIGINT	20,0			
Accepted	yes	no	yes	long	BIGINT	20,0			
AcceptedTZO	yes	no	yes	long	BIGINT	20,0			
LastStateTime	yes	no	no	long	BIGINT	20,0			
LastStateTimeTZO	yes	no	no	long	BIGINT	20,0			
LimitTime	yes	no	no	long	BIGINT	20,0			
LimitTimeTZO	yes	no	no	long	BIGINT	20,0			
Description	yes	no	yes	String	VARCHAR	254			

Indexes

index			indexColumn	
id	unique	clustered	id	included
Activity-I1	yes	no	Id	
Activity-I2	no	no	Process	
Activity-I2	no	no	ActivitySetDefinitionId	
Activity-I2	no	no	ActivityDefinitionId	
Activity-I3	no	no	Process	
Activity-I3	no	no	State	

Class: ActivityData
id: ActivityData
Table Name: SHKActivityData
GenerateSecure: false
GenerateInsecure: true
MassDeletes: true
MassUpdates: false

Attributes

id	Query	Constr	Null	Java Type	Type	Size	Reference	Reference Table	Page
Old			no	java.math.BigDecimal	DECIMAL	19,0			
Version			no	int	INTEGER	4,0			
Activity	yes	yes	no	ActivityDO	DECIMAL	19,0	Activity	SHKActivities	1

VariableDefinitionId	yes	no	no	String	VARCHAR	100
VariableType	no	no	no	int	INTEGER	12,0
VariableValue	no	no	yes	byte[]	LONGVARBINARY	
VariableValueXML	no	no	yes	org.w3c.dom.Node	LONGVARCHAR	
VariableValueVCHAR	no	no	yes	String	VARCHAR	4000
VariableValueDBL	no	no	yes	double	DOUBLE	16,16
VariableValueLONG	no	no	yes	long	BIGINT	20,0
VariableValueDATE	no	no	yes	Timestamp	TIMESTAMP	
VariableValueBOOL	no	no	yes	boolean	BIT	3,0
IsResult	no	no	no	boolean	BIT	3,0
OrdNo	yes	no	no	int	INTEGER	12,0
CNT	no	no	no	java.math.BigDecimal	DECIMAL	19,0

			Indexes	
index			indexColumn	
id	unique	clustered	id	included
ActivityData-I1	yes	no	CNT	
ActivityData-I2	yes	no	Activity	
ActivityData-I2	yes	no	VariableDefinitionId	
ActivityData-I2	yes	no	OrdNo	

Class:ActivityDataBLOB

id:ActivityDataBLOB

Table Name:SHKActivityDataBLOBs

GenerateSecure:false

GenerateInsecure:true

MassDeletes:true

MassUpdates:false

Attributes									
id	Query	Constr	Null	Java Type	Type	Size	Reference	Reference Table	Page
Old			no	java.math.BigDecimal	DECIMAL	19,0			
Version			no	int	INTEGER	4,0			
ActivityDataWOB	yes	yes	no	ActivityDataWOBDO	DECIMAL	19,0	ActivityDataWOB	SHKActivityDataWOB	2
VariableValue	no	no	yes	byte[]	LONGVARBINARY				
OrdNo	yes	no	no	int	INTEGER	12,0			

			Indexes	
index			indexColumn	
id	unique	clustered	id	included
ActivityDataBLOB-I1	yes	no	ActivityDataWOB	
ActivityDataBLOB-I1	yes	no	OrdNo	

Class:ActivityDataWOB

id:ActivityDataWOB

Table Name:SHKActivityDataWOB

GenerateSecure:false

GenerateInsecure:true

MassDeletes:true

MassUpdates:false

Relations			
Class	Table Name	Attribute	Page
ActivityDataBLOB	SHKActivityDataBLOBs	ActivityDataWOB	2

Attributes									
id	Query	Constr	Null	Java Type	Type	Size	Reference	Reference Table	Page
Old			no	java.math.BigDecimal	DECIMAL	19,0			
Version			no	int	INTEGER	4,0			
Activity	yes	yes	no	ActivityDO	DECIMAL	19,0	Activity	SHKActivities	1
VariableDefinitionId	yes	no	no	String	VARCHAR	100			
VariableType	no	no	no	int	INTEGER	12,0			
VariableValueXML	no	no	yes	org.w3c.dom.Node	LONGVARCHAR				
VariableValueVCHAR	no	no	yes	String	VARCHAR	4000			
VariableValueDBL	no	no	yes	double	DOUBLE	16,16			
VariableValueLONG	no	no	yes	long	BIGINT	20,0			
VariableValueDATE	no	no	yes	Timestamp	TIMESTAMP				
VariableValueBOOL	no	no	yes	boolean	BIT	3,0			
IsResult	no	no	no	boolean	BIT	3,0			
OrdNo	yes	no	no	int	INTEGER	12,0			
CNT	no	no	no	java.math.BigDecimal	DECIMAL	19,0			

			Indexes	
index			indexColumn	
id	unique	clustered	id	included
ActivityDataWOB-I1	yes	no	CNT	
ActivityDataWOB-I2	yes	no	Activity	
ActivityDataWOB-I2	yes	no	VariableDefinitionId	
ActivityDataWOB-I2	yes	no	OrdNo	

Class:ActivityState

id:ActivityState

Table Name:SHKActivityStates

GenerateSecure:false

GenerateInsecure:true

MassDeletes:true

MassUpdates:false

Relations			
Class	Table Name	Attribute	Page
Activity	SHKActivities	State	1

Attributes								
id	Query	Constr	Null	Java Type	Type	Size	Reference	Reference Table
Old			no	java.math.BigDecimal	DECIMAL	19,0		
Version			no	int	INTEGER	4,0		
KeyValue	yes	no	no	String	VARCHAR	30		
Name	yes	no	no	String	VARCHAR	50		

Indexes								
index				indexColumn				
id	unique	clustered		id	included			
ActivityState-I1	yes	no		KeyValue				
ActivityState-I2	yes	no		Name				

Class: AndJoinEntry

id: AndJoinEntry
Table Name: SHKAndJoinTable
GenerateSecure: false
GenerateInsecure: true
MassDeletes: true
MassUpdates: false

Attributes								
id	Query	Constr	Null	Java Type	Type	Size	Reference	Reference Table
Old			no	java.math.BigDecimal	DECIMAL	19,0		
Version			no	int	INTEGER	4,0		
Process	yes	yes	no	ProcessDO	DECIMAL	19,0	Process	SHKProcesses
BlockActivity	yes	yes	no	ActivityDO	DECIMAL	19,0	Activity	SHKActivities
ActivityDefinitionId	yes	no	no	String	VARCHAR	90		
Activity	yes	yes	no	ActivityDO	DECIMAL	19,0	Activity	SHKActivities
CNT	no	no	no	java.math.BigDecimal	DECIMAL	19,0		

Indexes								
index				indexColumn				
id	unique	clustered		id	included			
AndJoinEntry-I1	yes	no		CNT				
AndJoinEntry-I2	no	no		Process				
AndJoinEntry-I2	no	no		BlockActivity				
AndJoinEntry-I2	no	no		ActivityDefinitionId				
AndJoinEntry-I3	no	no		Activity				

Class: Assignment

id: Assignment
Table Name: SHKAssignmentsTable
GenerateSecure: false
GenerateInsecure: true
MassDeletes: true
MassUpdates: false

Attributes								
id	Query	Constr	Null	Java Type	Type	Size	Reference	Reference Table
Old			no	java.math.BigDecimal	DECIMAL	19,0		
Version			no	int	INTEGER	4,0		
Activity	yes	yes	no	ActivityDO	DECIMAL	19,0	Activity	SHKActivities
TheResource	yes	yes	no	ResourceDO	DECIMAL	19,0	Resource	SHKResourcesTable
ActivityId	yes	no	no	String	VARCHAR	100		
ActivityProcessId	yes	no	no	String	VARCHAR	100		
ActivityProcessDefName	yes	no	no	String	VARCHAR	200		
ResourceId	yes	no	no	String	VARCHAR	100		
IsAccepted	yes	no	no	boolean	BIT	3,0		
IsValid	yes	no	no	boolean	BIT	3,0		
CNT	no	no	no	java.math.BigDecimal	DECIMAL	19,0		

Indexes								
index				indexColumn				
id	unique	clustered		id	included			
Assignment-I1	yes	no		CNT				
Assignment-I2	yes	no		Activity				
Assignment-I2	yes	no		TheResource				
Assignment-I3	no	no		TheResource				
Assignment-I3	no	no		IsValid				
Assignment-I4	no	no		ActivityId				
Assignment-I5	no	no		ResourceId				

Class: Deadline

id: Deadline
Table Name: SHKDeadlines
GenerateSecure: false
GenerateInsecure: true
MassDeletes: true
MassUpdates: false

Attributes								
id	Query	Constr	Null	Java Type	Type	Size	Reference	Reference Table
Old			no	java.math.BigDecimal	DECIMAL	19,0		
Version			no	int	INTEGER	4,0		
Process	yes	yes	no	ProcessDO	DECIMAL	19,0	Process	SHKProcesses
Activity	yes	yes	no	ActivityDO	DECIMAL	19,0	Activity	SHKActivities
CNT	yes	no	no	java.math.BigDecimal	DECIMAL	19,0		
TimeLimit	yes	no	no	long	BIGINT	20,0		

TimeLimitTZO	yes	no	no	long	BIGINT	20,0
ExceptionName	yes	no	no	String	VARCHAR	100
IsSynchronous	yes	no	no	boolean	BIT	3,0
IsExecuted	yes	no	no	boolean	BIT	3,0

Indexes						
index				indexColumn		
id	unique	clustered		id	included	
Deadline-I1	yes	no		CNT		
Deadline-I2	no	no		Process		
Deadline-I2	no	no		TimeLimit		
Deadline-I3	no	no		Activity		
Deadline-I3	no	no		TimeLimit		

Class:	Process
id:	Process
Table Name:	SHKProcesses
GenerateSecure:	false
GenerateInsecure:	true
MassDeletes:	true
MassUpdates:	false

Relations				
Class	Table Name	Attribute	Page	
Activity	SHKActivities	Process	1	
ProcessData	SHKProcessData	Process	4	
ProcessDataWOB	SHKProcessDataWOB	Process	5	
AndJoinEntry	SHKAndJoinTable	Process	3	
Deadline	SHKDeadlines	Process	3	

Attributes								
id	Query	Constr	Null	Java Type	Type	Size	Reference	Page
Old			no	java.math.BigDecimal	DECIMAL	19,0		
Version			no	int	INTEGER	4,0		
SyncVersion	yes	no	no	long	BIGINT	20,0		
Id	yes	no	no	String	VARCHAR	100		
ProcessDefinition	yes	yes	no	ProcessDefinitionDO	DECIMAL	19,0	ProcessDefinition	5
PDefName	yes	no	no	String	VARCHAR	200		
ActivityRequesterId	yes	no	yes	String	VARCHAR	100		
ActivityRequesterProcessId	yes	no	yes	String	VARCHAR	100		
ResourceRequesterId	yes	no	no	String	VARCHAR	100		
ExternalRequesterClassName	no	no	yes	String	VARCHAR	254		
State	yes	yes	no	ProcessStateDO	DECIMAL	19,0	ProcessState	6
Priority	yes	no	yes	int	INTEGER	12,0		
Name	yes	no	yes	String	VARCHAR	254		
Created	yes	no	no	long	BIGINT	20,0		
CreatedTZO	yes	no	no	long	BIGINT	20,0		
Started	yes	no	yes	long	BIGINT	20,0		
StartedTZO	yes	no	yes	long	BIGINT	20,0		
LastStateTime	yes	no	no	long	BIGINT	20,0		
LastStateTimeTZO	yes	no	no	long	BIGINT	20,0		
LimitTime	yes	no	no	long	BIGINT	20,0		
LimitTimeTZO	yes	no	no	long	BIGINT	20,0		
Description	yes	no	yes	String	VARCHAR	254		

Indexes						
index				indexColumn		
id	unique	clustered		id	included	
Process-I1	yes	no		Id		
Process-I2	no	no		ProcessDefinition		
Process-I3	no	no		State		
Process-I4	no	no		ActivityRequesterId		
Process-I5	no	no		ResourceRequesterId		

Class:	ProcessData
id:	ProcessData
Table Name:	SHKProcessData
GenerateSecure:	false
GenerateInsecure:	true
MassDeletes:	true
MassUpdates:	false

Attributes								
id	Query	Constr	Null	Java Type	Type	Size	Reference	Page
Old			no	java.math.BigDecimal	DECIMAL	19,0		
Version			no	int	INTEGER	4,0		
Process	yes	yes	no	ProcessDO	DECIMAL	19,0	Process	4
VariableDefinitionId	yes	no	no	String	VARCHAR	100		
VariableType	no	no	no	int	INTEGER	12,0		
VariableValue	no	no	yes	byte[]	LONGVARCHAR			
VariableValueXML	no	no	yes	org.w3c.dom.Node	LONGVARCHAR			
VariableValueVCHAR	no	no	yes	String	VARCHAR	4000		
VariableValueDBL	no	no	yes	double	DOUBLE	16,16		
VariableValueLONG	no	no	yes	long	BIGINT	20,0		
VariableValueDATE	no	no	yes	Timestamp	TIMESTAMP			
VariableValueBOOL	no	no	yes	boolean	BIT	3,0		
OrdNo	yes	no	no	int	INTEGER	12,0		
CNT	no	no	no	java.math.BigDecimal	DECIMAL	19,0		

Indexes						
index				indexColumn		
id	unique	clustered		id	included	
ProcessData-I1	yes	no		CNT		
ProcessData-I2	yes	no		Process		

ProcessData-I2	yes	no	VariableDefinitionId
ProcessData-I2	yes	no	OrdNo

Class: ProcessDataBLOB

id:	ProcessDataBLOB
Table Name:	SHKProcessDataBLOBs
GenerateSecure:	false
GenerateInsecure:	true
MassDeletes:	true
MassUpdates:	false

Attributes

id	Query	Constr	Null	Java Type	Type	Size	Reference	Reference Table	Page
Old			no	java.math.BigDecimal	DECIMAL	19,0			
Version			no	int	INTEGER	4,0			
ProcessDataWOB	yes	yes	no	ProcessDataWOBDO	DECIMAL	19,0	ProcessDataWOB	SHKProcessDataWOB	5
VariableValue	no	no	yes	byte[]	LONGVARBINARY				
OrdNo	yes	no	no	int	INTEGER	12,0			

Indexes

index	indexColumn
id	id
ProcessDataBLOB-I1	ProcessDataWOB
ProcessDataBLOB-I1	OrdNo

Class: ProcessDataWOB

id:	ProcessDataWOB
Table Name:	SHKProcessDataWOB
GenerateSecure:	false
GenerateInsecure:	true
MassDeletes:	true
MassUpdates:	false

Relations

Class	Table Name	Attribute	Page
ProcessDataBLOB	SHKProcessDataBLOBs	ProcessDataWOB	5

Attributes

id	Query	Constr	Null	Java Type	Type	Size	Reference	Reference Table	Page
Old			no	java.math.BigDecimal	DECIMAL	19,0			
Version			no	int	INTEGER	4,0			
Process	yes	yes	no	ProcessDO	DECIMAL	19,0	Process	SHKProcesses	4
VariableDefinitionId	yes	no	no	String	VARCHAR	100			
VariableType	no	no	no	int	INTEGER	12,0			
VariableValueXML	no	no	yes	org.w3c.dom.Node	LONGVARCHAR				
VariableValueVCHAR	no	no	yes	String	VARCHAR	4000			
VariableValueDBL	no	no	yes	double	DOUBLE	16,16			
VariableValueLONG	no	no	yes	long	BIGINT	20,0			
VariableValueDATE	no	no	yes	Timestamp	TIMESTAMP				
VariableValueBOOL	no	no	yes	boolean	BIT	3,0			
OrdNo	yes	no	no	int	INTEGER	12,0			
CNT	no	no	no	java.math.BigDecimal	DECIMAL	19,0			

Indexes

index	indexColumn
id	id
ProcessDataWOB-I1	CNT
ProcessDataWOB-I2	Process
ProcessDataWOB-I2	VariableDefinitionId
ProcessDataWOB-I2	OrdNo

Class: ProcessDefinition

id:	ProcessDefinition
Table Name:	SHKProcessDefinitions
GenerateSecure:	false
GenerateInsecure:	true
MassDeletes:	true
MassUpdates:	false

Relations

Class	Table Name	Attribute	Page
Process	SHKProcesses	ProcessDefinition	4

Attributes

id	Query	Constr	Null	Java Type	Type	Size	Reference	Reference Table	Page
Old			no	java.math.BigDecimal	DECIMAL	19,0			
Version			no	int	INTEGER	4,0			
Name	yes	no	no	String	VARCHAR	200			
Packageld	yes	no	no	String	VARCHAR	90			
ProcessDefinitionId	yes	no	no	String	VARCHAR	90			
ProcessDefinitionName	yes	no	yes	String	VARCHAR	90			
ProcessDefinitionCreated	yes	no	no	long	BIGINT	20,0			
ProcessDefinitionVersion	yes	no	no	String	VARCHAR	20			
State	yes	no	no	int	INTEGER	12,0			

Indexes

index	indexColumn
id	id
ProcessDefinition-I1	Name

Class: ProcessRequester

id: ProcessRequester
Table Name: SHKProcessRequesters
GenerateSecure: false
GenerateInsecure: true
MassDeletes: true
MassUpdates: false

Attributes									
id	Query	Constr	Null	Java Type	Type	Size	Reference	Reference Table	Page
Old			no	java.math.BigDecimal	DECIMAL	19,0			
Version			no	int	INTEGER	4,0			
Id	yes	no	no	String	VARCHAR	100			
ActivityRequester	yes	yes	no	ActivityDO	DECIMAL	19,0	Activity	SHKActivities	1
ResourceRequester	yes	yes	no	ResourceDO	DECIMAL	19,0	Resource	SHKResourcesTable	6

Indexes				
index			indexColumn	
id	unique	clustered	id	included
ProcessRequester-I1	yes	no	Id	
ProcessRequester-I2	no	no	ActivityRequester	
ProcessRequester-I3	no	no	ResourceRequester	

Class: ProcessState

id: ProcessState
Table Name: SHKProcessStates
GenerateSecure: false
GenerateInsecure: true
MassDeletes: true
MassUpdates: false

Relations			
Class	Table Name	Attribute	Page
Process	SHKProcesses	State	4

Attributes									
id	Query	Constr	Null	Java Type	Type	Size	Reference	Reference Table	Page
Old			no	java.math.BigDecimal	DECIMAL	19,0			
Version			no	int	INTEGER	4,0			
KeyValue	yes	no	no	String	VARCHAR	30			
Name	yes	no	no	String	VARCHAR	50			

Indexes				
index			indexColumn	
id	unique	clustered	id	included
ProcessState-I1	yes	no	KeyValue	
ProcessState-I2	yes	no	Name	

Class: Resource

id: Resource
Table Name: SHKResourcesTable
GenerateSecure: false
GenerateInsecure: true
MassDeletes: true
MassUpdates: false

Relations			
Class	Table Name	Attribute	Page
ProcessRequester	SHKProcessRequesters	ResourceRequester	6
Activity	SHKActivities	TheResource	1
Assignment	SHKAssignmentsTable	TheResource	3

Attributes									
id	Query	Constr	Null	Java Type	Type	Size	Reference	Reference Table	Page
Old			no	java.math.BigDecimal	DECIMAL	19,0			
Version			no	int	INTEGER	4,0			
Username	yes	no	no	String	VARCHAR	100			
Name	yes	no	yes	String	VARCHAR	100			

Indexes				
index			indexColumn	
id	unique	clustered	id	included
Resource-I1	yes	no	Username	