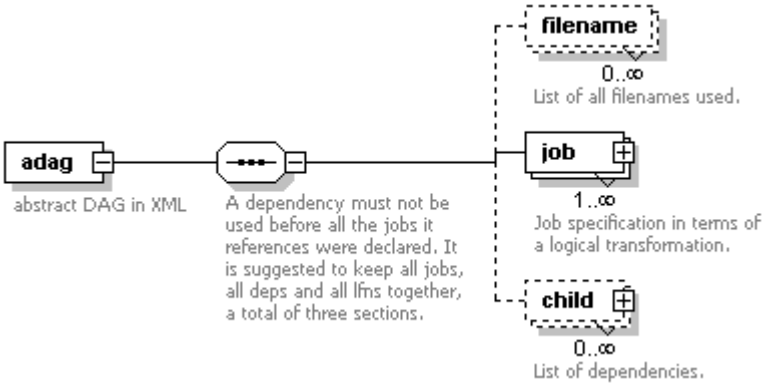
Schema **dax-2.0.xsd**

schema location: **G:\GRIPHYN\PEGASUS\dax-2.0.xsd**
targetNamespace: **http://pegasus.isi.edu/schema/DAX**

Elements	Complex types	Simple types
adag	**FilenameType**	**LinkageType**
	PlainFilenameType	**ProfileNamespace**
	StdioType	**TransferType**

element **adag**

diagram



namespace: http://pegasus.isi.edu/schema/DAX

children: **filename** **job** **child**

attributes

Name	Type	Use	Default	Fixed	Annotation
version	xs:NMTOKEN	required			
name	xs:string	required			
index	xs:nonNegativeInteger	required			
count	xs:nonNegativeInteger	required			
jobCount	xs:positiveInteger	optional			
fileCount	xs:nonNegativeInteger	optional			
childCount	xs:nonNegativeInteger	optional			

annotation: documentation abstract DAG in XML

element **adag/filename**

diagram

namespace: http://pegasus.isi.edu/schema/DAX

type: extension of **PlainFilenameType**

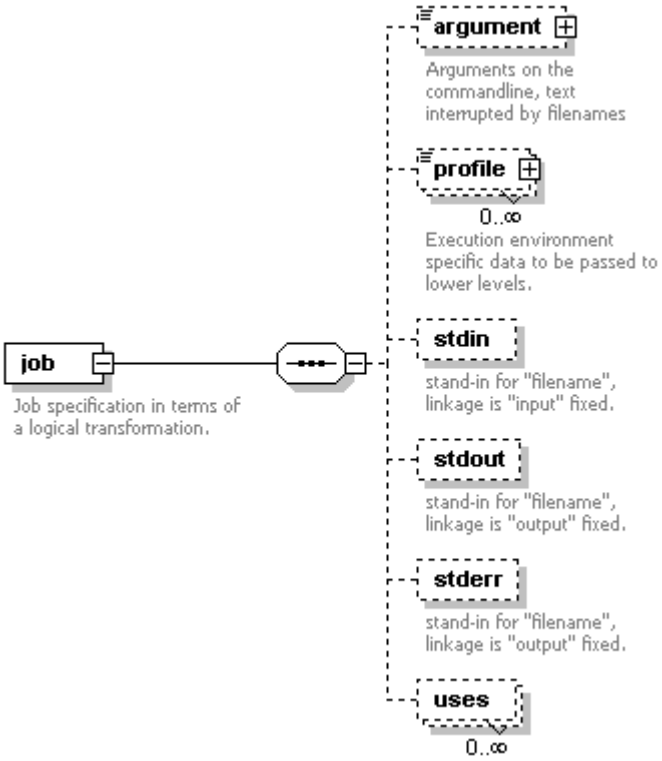
attributes

Name	Type	Use	Default	Fixed	Annotation
file	xs:string	required			
link	LinkageType	optional			
optional	xs:boolean	optional	false		

annotation: documentation List of all filenames used.

element **adag/job**

diagram



namespace	http://pegasus.isi.edu/schema/DAX
children	**argument** **profile** **stdin** **stdout** **stderr** **uses**

attributes

Name	Type	Use	Default	Fixed	Annotation
namespace	xs:string	optional			
name	xs:NMTOKEN	required			
version	xs:string	optional			
dv-namespace	xs:string	optional			
dv-name	xs:NMTOKEN	optional			
dv-version	xs:string	optional			
id	xs:ID	required			
level	xs:nonNegativeInteger	optional			documentation Level from search in router.
compound	xs:NMTOKENS	optional			

annotation: documentation Job specification in terms of a logical transformation.

element **adag/job/argument**

diagram

namespace	http://pegasus.isi.edu/schema/DAX
children	**filename**
annotation	documentation Arguments on the commandline, text interrupted by filenames

element **adag/job/argument/filename**

diagram

namespace	http://pegasus.isi.edu/schema/DAX
type	**PlainFilenameType**
attributes	Name / Type / Use / Default / Fixed / Annotation file / xs:string / required

element **adag/job/profile**

diagram	
namespace	http://pegasus.isi.edu/schema/DAX
children	**filename**
attributes	Name / Type / Use / Default / Fixed / Annotation key / xs:string / required namespace / ProfileNamespace / required origin / xs:string / optional / vdl
annotation	documentation Execution environment specific data to be passed to lower levels.

element **adag/job/profile/filename**

diagram	
namespace	http://pegasus.isi.edu/schema/DAX
type	**PlainFilenameType**
attributes	Name / Type / Use / Default / Fixed / Annotation file / xs:string / required

element **adag/job/stdin**

diagram	
namespace	http://pegasus.isi.edu/schema/DAX
type	extension of **StdioType**
attributes	Name / Type / Use / Default / Fixed / Annotation file / xs:string / required varname / xs:NMTOKEN / required link / LinkageType / optional / input
annotation	documentation stand-in for "filename", linkage is "input" fixed.

element **adag/job/stdout**

diagram	
namespace	http://pegasus.isi.edu/schema/DAX
type	extension of **StdioType**

attributes	Name	Type	Use	Default	Fixed	Annotation
	file	xs:string	required			
	varname	xs:NMTOKEN	required			
	link	LinkageType	optional		output	
annotation	documentation stand-in for "filename", linkage is "output" fixed.					

element **adag/job/stderr**

diagram	stderr stand-in for "filename", linkage is "output" fixed.					
namespace	http://pegasus.isi.edu/schema/DAX					
type	extension of **StdioType**					
attributes	Name	Type	Use	Default	Fixed	Annotation
	file	xs:string	required			
	varname	xs:NMTOKEN	required			
	link	LinkageType	optional		output	
annotation	documentation stand-in for "filename", linkage is "output" fixed.					

element **adag/job/uses**

diagram	uses					
namespace	http://pegasus.isi.edu/schema/DAX					
type	**FilenameType**					
attributes	Name	Type	Use	Default	Fixed	Annotation
	file	xs:string	required			
	dontTransfer	TransferType	optional	false		
	dontRegister	xs:boolean	optional	false		
	temporaryHint	xs:string	optional			
	link	LinkageType	optional			
	optional	xs:boolean	optional	false		
	type	xs:NMTOKENS	optional	data		

element **adag/child**

diagram	child List of dependencies. 1..∞ parent parent node refering to a job.					
namespace	http://pegasus.isi.edu/schema/DAX					
children	**parent**					
attributes	Name	Type	Use	Default	Fixed	Annotation
	ref	xs:IDREF	required			
annotation	documentation List of dependencies.					

element **adag/child/parent**

diagram	parent parent node refering to a job.
namespace	http://pegasus.isi.edu/schema/DAX

attributes	Name	Type	Use	Default	Fixed	Annotation
	ref	xs:IDREF	required			
annotation	documentation parent node refering to a job.					

complexType **FilenameType**

diagram						
namespace	http://pegasus.isi.edu/schema/DAX					
type	extension of **PlainFilenameType**					
used by	element **adag/job/uses**					
attributes	Name	Type	Use	Default	Fixed	Annotation
	file	xs:string	required			
	dontTransfer	TransferType	optional	false		
	dontRegister	xs:boolean	optional	false		
	temporaryHint	xs:string	optional			
	link	LinkageType	optional			
	optional	xs:boolean	optional	false		
	type	xs:NMTOKENS	optional	data		
annotation	documentation logical filename representation.					

complexType **PlainFilenameType**

diagram						
namespace	http://pegasus.isi.edu/schema/DAX					
used by	elements **adag/filename** **adag/job/argument/filename** **adag/job/profile/filename** complexTypes **FilenameType** **StdioType**					
attributes	Name	Type	Use	Default	Fixed	Annotation
	file	xs:string	required			
annotation	documentation defines just a filename.					

complexType **StdioType**

diagram						
namespace	http://pegasus.isi.edu/schema/DAX					
type	extension of **PlainFilenameType**					
used by	elements **adag/job/stderr** **adag/job/stdin** **adag/job/stdout**					
attributes	Name	Type	Use	Default	Fixed	Annotation
	file	xs:string	required			
	varname	xs:NMTOKEN	required			
annotation	documentation Derivation of Plain filename, with added attributes for variable name recording.					

simpleType **LinkageType**

namespace	http://pegasus.isi.edu/schema/DAX

type	restriction of **xs:NMTOKEN**
used by	attributes **adag/filename/@link** **adag/job/stdin/@link** **adag/job/stdout/@link** **adag/job/stderr/@link** **FilenameType/@link**
facets	enumeration none enumeration input enumeration output enumeration inout
annotation	documentation defines the usage of a logical filename.

simpleType **ProfileNamespace**

namespace	http://pegasus.isi.edu/schema/DAX
type	restriction of **xs:NMTOKEN**
used by	attribute **adag/job/profile/@namespace**
facets	enumeration pegasus enumeration condor enumeration dagman enumeration env enumeration hints enumeration globus enumeration selector
annotation	documentation defines the legal namespaces of execution profiles.

simpleType **TransferType**

namespace	http://pegasus.isi.edu/schema/DAX
type	restriction of **xs:NMTOKEN**
used by	attribute **FilenameType/@dontTransfer**
facets	enumeration false enumeration optional enumeration true
annotation	documentation defines the tri-state transfer modes.

XML Schema documentation generated with **XMLSPY** Schema Editor **http://www.altova.com/xmlspy**