

Schema **dax-3.3.xsd**

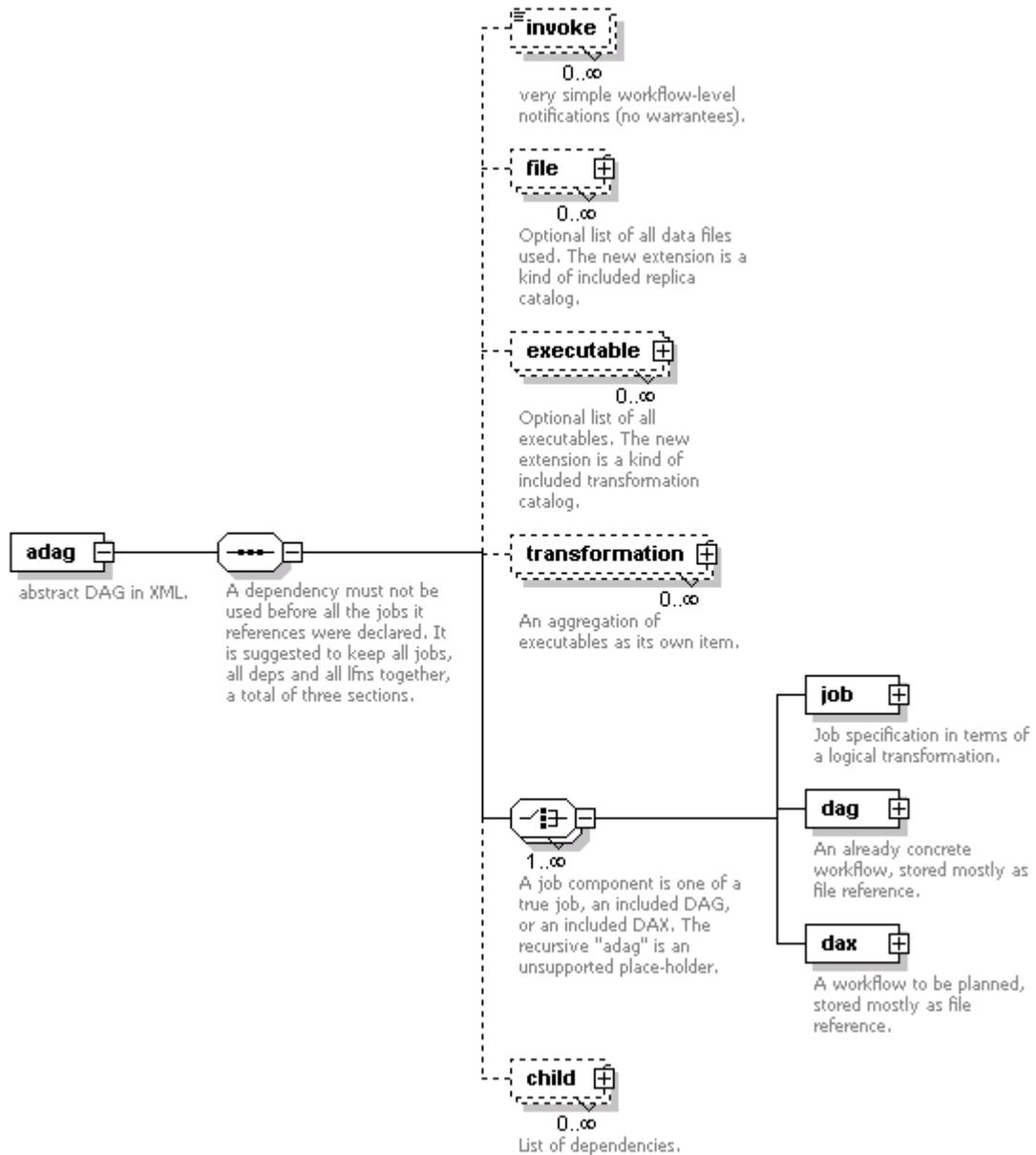
schema location: <C:\Documents and Settings\voeckler\Desktop\schema\dax-3.3\dax-3.3.xsd>

targetNamespace: <http://pegasus.isi.edu/schema/DAX>

Elements	Complex types	Simple types	Attr. groups
adag	AbstractJobType	ArchitectureType	SystemInformationGroup
	CatalogType	FilenameSafePattern	
	FilenameType	LinkageType	
	InvokeType	NodeIdentifierPattern	
	JobUsesType	OSType	
	PlainFilenameType	ProfileNamespace	
	ProfileType	TransferType	
	TransformationUsesType	VersionPattern	

element adag

diagram



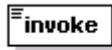
namespace <http://pegasus.isi.edu/schema/DAX>

children [invoke](#) [file](#) [executable](#) [transformation](#) [job](#) [dag](#) [dax](#) [child](#)

attributes	Name	Type	Use	Default	Fixed
	version	VersionPattern	required		
	name	FilenameSafePattern	required		
	index	xs:nonNegativeInteger	optional	0	
	count	xs:nonNegativeInteger	optional	1	

element `adag/invoke`

diagram



very simple workflow-level notifications (no warranties).

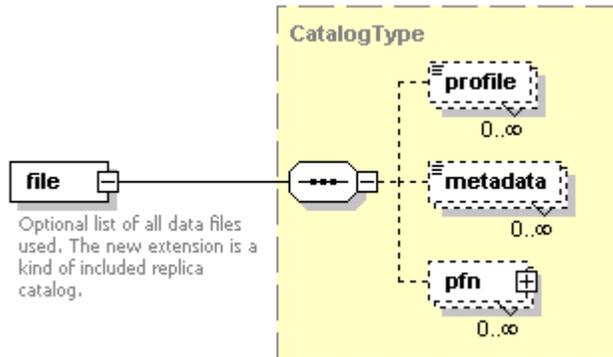
namespace `http://pegasus.isi.edu/schema/DAX`

type [InvokeType](#)

attributes	Name	Type	Use	Default	Fixed
	<code>when</code>	<code>xs:NMTOKEN</code>	required		

element `adag/file`

diagram



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

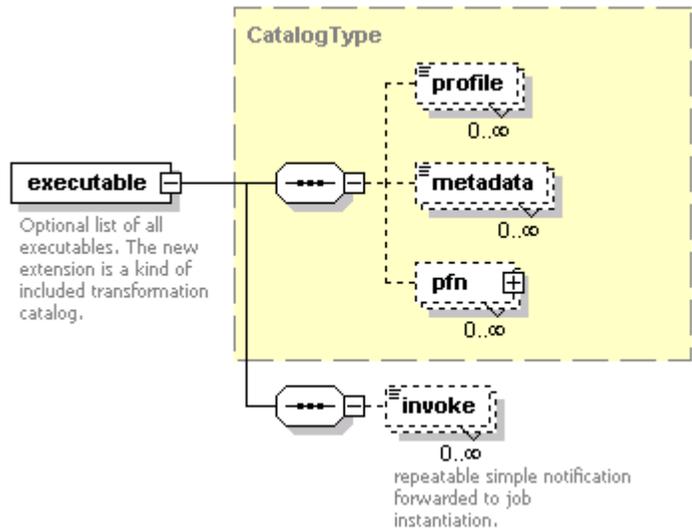
type [CatalogType](#)

children [profile](#) [metadata](#) [pfn](#)

attributes	Name	Type	Use	Default	Fixed
	<code>name</code>	<code>xs:string</code>	required		

element `adag/executable`

diagram



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

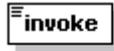
type extension of [CatalogType](#)

children [profile](#) [metadata](#) [pfn](#) [invoke](#)

attributes	Name	Type	Use	Default	Fixed
	name	xs:string	required		
	namespace	xs:string	optional		
	version	VersionPattern	optional		
	installed	xs:boolean	optional	true	
	arch	ArchitectureType	optional	x86	
	os	OSType	optional	linux	
	osrelease	xs:string	optional		
	osversion	VersionPattern	optional		
	glibc	VersionPattern	optional		

element **adag/executable/invoke**

diagram



repeatable simple notification forwarded to job instantiation.

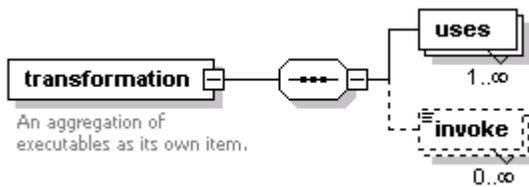
namespace <http://pegasus.isi.edu/schema/DAX>

type [InvokeType](#)

attributes	Name	Type	Use	Default	Fixed
	when	xs:NMTOKEN	required		

element **adag/transformation**

diagram



An aggregation of executables as its own item.

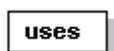
namespace <http://pegasus.isi.edu/schema/DAX>

children [uses](#) [invoke](#)

attributes	Name	Type	Use	Default	Fixed
	name	xs:string	required		
	namespace	xs:string	optional		
	version	VersionPattern	optional		

element **adag/transformation/uses**

diagram



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

type [TransformationUsesType](#)

attributes	Name	Type	Use	Default	Fixed
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name	xs:string	required	
namespace	xs:string	optional	
version	VersionPattern	optional	
executable	xs:boolean	optional	true

element **adag/transformation/invoke**

diagram



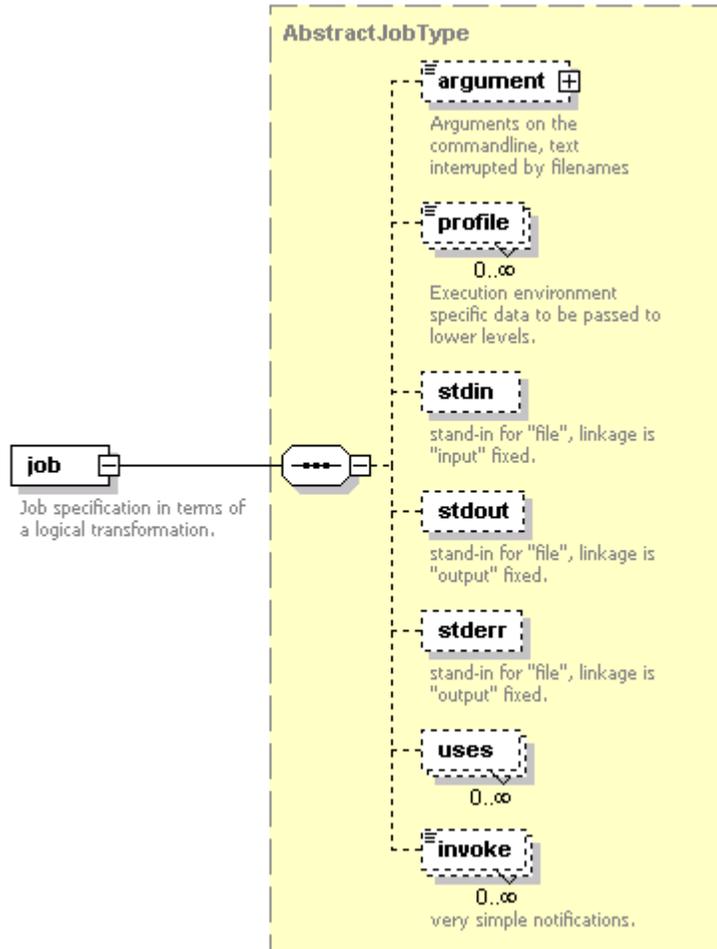
namespace <http://pegasus.isi.edu/schema/DAX>

type [InvokeType](#)

attributes	Name	Type	Use	Default	Fixed
	when	xs:NMTOKEN	required		

element **adag/job**

diagram



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

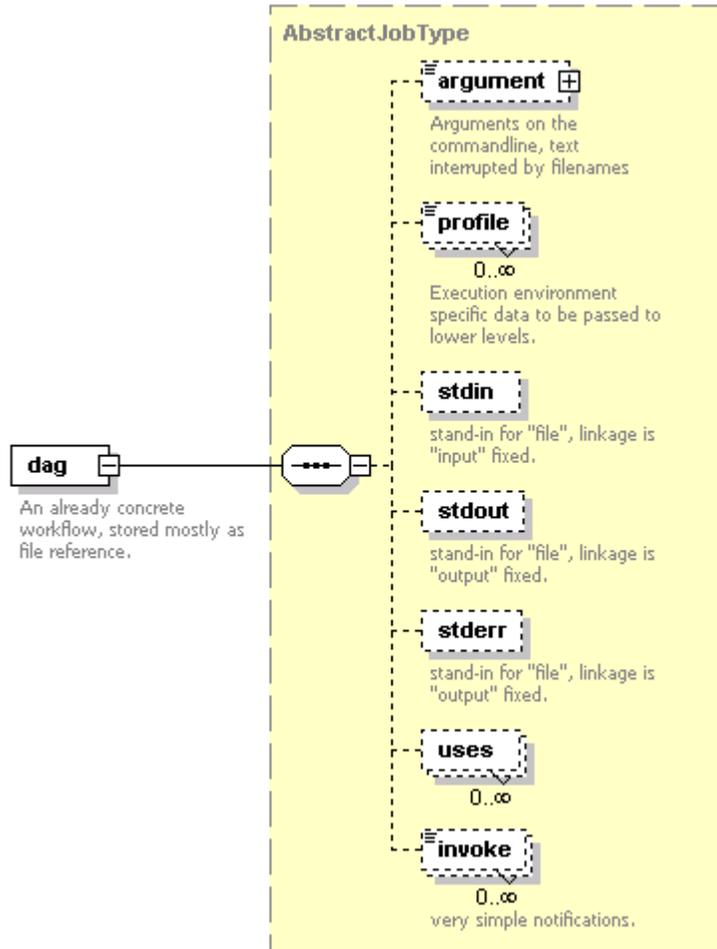
type extension of [AbstractJobType](#)

children [argument](#) [profile](#) [stdin](#) [stdout](#) [stderr](#) [uses](#) [invoke](#)

attributes	Name	Type	Use	Default	Fixed
	id	NodIdentifierPattern	required		
	node-label	xs:string	optional		
	name	xs:string	required		
	namespace	xs:string	optional		
	version	VersionPattern	optional		

element **adag/dag**

diagram



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

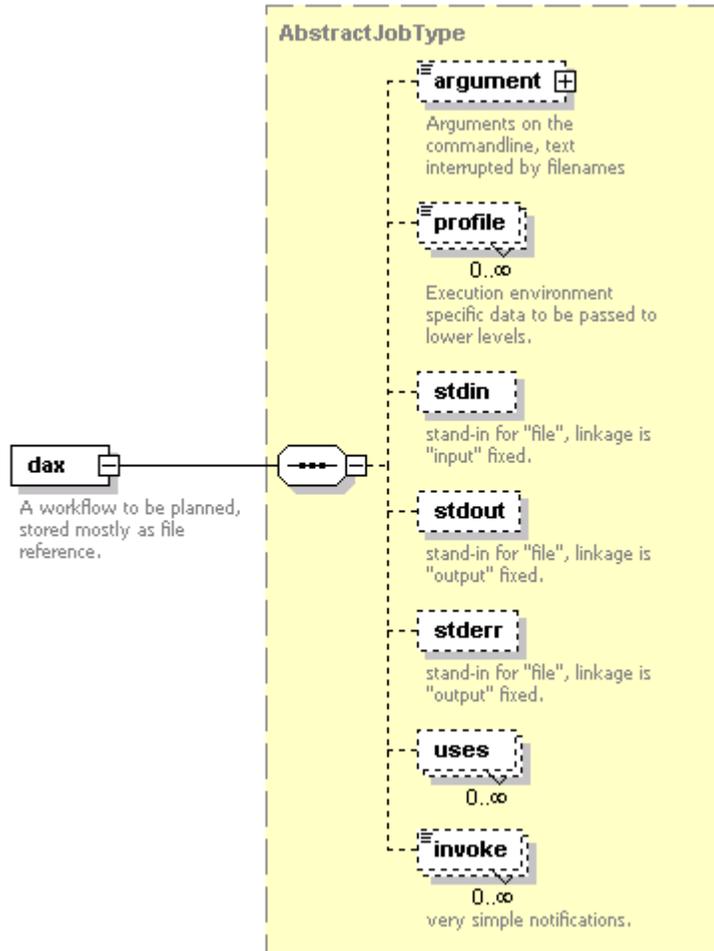
type extension of [AbstractJobType](#)

children [argument](#) [profile](#) [stdin](#) [stdout](#) [stderr](#) [uses](#) [invoke](#)

attributes	Name	Type	Use	Default	Fixed
	id	NodIdentifierPattern	required		
	node-label	xs:string	optional		
	file	xs:string	required		

element **adag/dax**

diagram



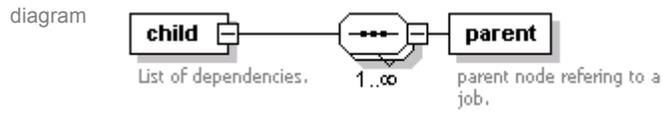
namespace <http://pegasus.isi.edu/schema/DAX>

type extension of [AbstractJobType](#)

children [argument](#) [profile](#) [stdin](#) [stdout](#) [stderr](#) [uses](#) [invoke](#)

attributes	Name	Type	Use	Default	Fixed
	id	NodIdentifierPattern	required		
	node-label	xs:string	optional		
	file	xs:string	required		

element **adag/child**

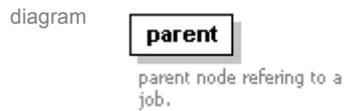


namespace <http://pegasus.isi.edu/schema/DAX>

children [parent](#)

attributes	Name	Type	Use	Default	Fixed
	ref	NodeIdentifierPattern	required		

element **adag/child/parent**

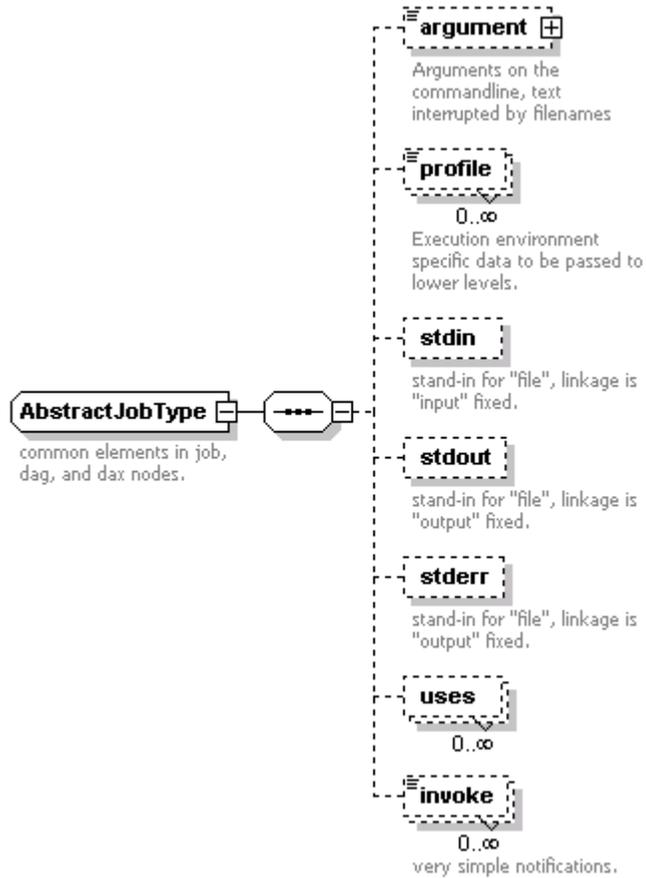


namespace <http://pegasus.isi.edu/schema/DAX>

attributes	Name	Type	Use	Default	Fixed
	ref	NodeIdentifierPattern	required		
	edge-label	xs:string	optional		

complexType **AbstractJobType**

diagram



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

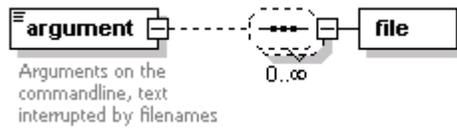
children [argument](#) [profile](#) [stdin](#) [stdout](#) [stderr](#) [uses](#) [invoke](#)

used by elements [adag/dag](#) [adag/dax](#) [adag/job](#)

attributes	Name	Type	Use	Default	Fixed
	id	NodeIdentifierPattern	required		
	node-label	xs:string	optional		

element **AbstractJobType/argument**

diagram

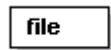


namespace <http://pegasus.isi.edu/schema/DAX>

children [file](#)

element **AbstractJobType/argument/file**

diagram



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

type [PlainFilenameType](#)

attributes	Name	Type	Use	Default	Fixed
	name	xs:string	required		

element **AbstractJobType/profile**

diagram



Execution environment
specific data to be passed to
lower levels.

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

type [ProfileType](#)

attributes	Name	Type	Use	Default	Fixed
	key	xs:string	required		
	namespace	ProfileNamespace	required		

element **AbstractJobType/stdin**

diagram

stdin

stand-in for "file", linkage is "input" fixed.

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

type extension of [PlainFilenameType](#)

attributes	Name	Type	Use	Default	Fixed
	name	xs:string	required		
	link	LinkageType	optional		input

element **AbstractJobType/stdout**

diagram

stdout

stand-in for "file", linkage is "output" fixed.

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

type extension of [PlainFilenameType](#)

attributes	Name	Type	Use	Default	Fixed
	name	xs:string	required		
	link	LinkageType	optional		output

element **AbstractJobType/stderr**

diagram

stderr

stand-in for "file", linkage is "output" fixed.

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

type extension of [PlainFilenameType](#)

attributes	Name	Type	Use	Default	Fixed
	name	xs:string	required		

link LinkageType optional output

element **AbstractJobType/uses**



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

type [JobUsesType](#)

attributes	Name	Type	Use	Default	Fixed
	name	xs:string	required		
	link	LinkageType	optional		
	optional	xs:boolean	optional	false	
	register	xs:boolean	optional	true	
	transfer	TransferType	optional	true	
	namespace	xs:string	optional		
	version	VersionPattern	optional		
	executable	xs:boolean	optional	false	

element **AbstractJobType/invoke**



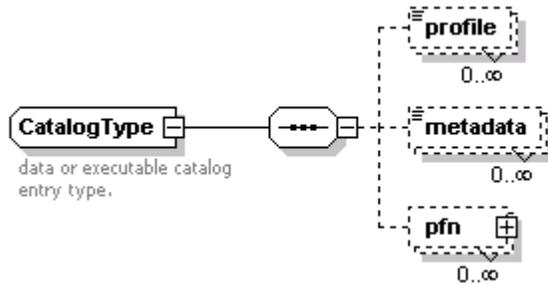
namespace <http://pegasus.isi.edu/schema/DAX>

type [InvokeType](#)

attributes	Name	Type	Use	Default	Fixed
	when	xs:NMTOKEN	required		

complexType **CatalogType**

diagram



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

children [profile](#) [metadata](#) [pfn](#)

used by elements [adag/executable](#) [adag/file](#)

attributes	Name	Type	Use	Default	Fixed
	name	xs:string	required		

element **CatalogType/profile**

diagram



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

type [ProfileType](#)

attributes	Name	Type	Use	Default	Fixed
	key	xs:string	required		
	namespace	ProfileNamespace	required		

element **CatalogType/metadata**

diagram



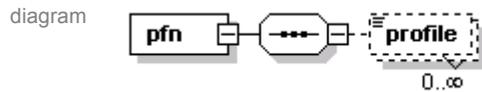
namespace <http://pegasus.isi.edu/schema/DAX>

type extension of **xs:string**

attributes	Name	Type	Use	Default	Fixed
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key	xs:NMTOKEN	required
type	xs:NMTOKEN	required

element **CatalogType/pfn**



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

children [profile](#)

attributes	Name	Type	Use	Default	Fixed
	url	xs:anyURI	required		
	site	xs:string	optional	local	

element **CatalogType/pfn/profile**



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

type [ProfileType](#)

attributes	Name	Type	Use	Default	Fixed
	key	xs:string	required		
	namespace	ProfileNamespace	required		

complexType **FilenameType**



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

type extension of [PlainFilenameType](#)

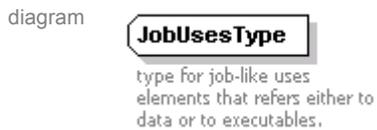
used by	complexType	JobUsesType			
attributes	Name	Type	Use	Default	Fixed
	name	xs:string	required		
	link	LinkageType	optional		
	optional	xs:boolean	optional	false	
	register	xs:boolean	optional	true	
	transfer	TransferType	optional	true	

complexType **InvokeType**



namespace	http://pegasus.isi.edu/schema/DAX				
type	extension of xs:string				
used by	elements	adag/invoke adag/executable/invoke adag/transformation/invoke AbstractJobType/invoke			
attributes	Name	Type	Use	Default	Fixed
	when	xs:NMTOKEN	required		

complexType **JobUsesType**



namespace	http://pegasus.isi.edu/schema/DAX				
type	extension of FilenameType				
used by	element	AbstractJobType/uses			
attributes	Name	Type	Use	Default	Fixed
	name	xs:string	required		
	link	LinkageType	optional		
	optional	xs:boolean	optional	false	
	register	xs:boolean	optional	true	

transfer	TransferType	optional	true
namespace	xs:string	optional	
version	VersionPattern	optional	
executable	xs:boolean	optional	false

complexType PlainFilenameType

diagram



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

used by elements [AbstractJobType/argument/file](#) [AbstractJobType/stderr](#) [AbstractJobType/stdin](#) [AbstractJobType/stdout](#)

complexTypes [FilenameType](#) [TransformationUsesType](#)

attributes	Name	Type	Use	Default	Fixed
	name	xs:string	required		

complexType ProfileType

diagram



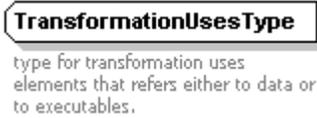
namespace <http://pegasus.isi.edu/schema/DAX>

used by elements [AbstractJobType/profile](#) [CatalogType/profile](#) [CatalogType/pfn/profile](#)

attributes	Name	Type	Use	Default	Fixed
	key	xs:string	required		
	namespace	ProfileNamespace	required		

complexType TransformationUsesType

diagram



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

type extension of [PlainFilenameType](#)

used by element [adag/transformation/uses](#)

attributes	Name	Type	Use	Default	Fixed
	name	xs:string	required		
	namespace	xs:string	optional		
	version	VersionPattern	optional		
	executable	xs:boolean	optional	true	

simpleType ArchitectureType

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

type restriction of **xs:NMTOKENS**

used by attribute [SystemInformationGroup/@arch](#)

facets	enumeration	value
	x86	
	x86_64	
	ppc	
	ppc_64	
	ia64	
	sparcv7	
	sparcv9	
	amd64	

simpleType **FilenameSafePattern**

namespace <http://pegasus.isi.edu/schema/DAX>
type restriction of **xs:NMTOKEN**
used by attribute [adag/@name](#)
facets pattern `[-.0-9a-zA-Z_]+`

simpleType **LinkageType**

namespace <http://pegasus.isi.edu/schema/DAX>
type restriction of **xs:NMTOKEN**
used by attributes [FilenameType/@link](#) [AbstractJobType/stdin/@link](#) [AbstractJobType/stdout/@link](#) [AbstractJobType/stderr/@link](#)
facets enumeration `none`
enumeration `input`
enumeration `output`
enumeration `inout`

simpleType **NodeIdentifierPattern**

namespace <http://pegasus.isi.edu/schema/DAX>
type restriction of **xs:NMTOKEN**
used by attributes [AbstractJobType/@id](#) [adag/child/parent/@ref](#) [adag/child/@ref](#)
facets pattern `[-0-9a-zA-Z_]+`

simpleType **OSType**

namespace <http://pegasus.isi.edu/schema/DAX>
type restriction of **xs:NMTOKENS**
used by attribute [SystemInformationGroup/@os](#)

facets	enumeration	aix
	enumeration	sunos
	enumeration	linux
	enumeration	macosx
	enumeration	windows

simpleType **ProfileNamespace**

namespace	http://pegasus.isi.edu/schema/DAX	
type	restriction of xs:NMTOKEN	
used by	attribute	ProfileType/@namespace
facets	enumeration	pegasus
	enumeration	condor
	enumeration	dagman
	enumeration	env
	enumeration	hints
	enumeration	globus
	enumeration	selector
	enumeration	stat

simpleType **TransferType**

namespace	http://pegasus.isi.edu/schema/DAX	
type	restriction of xs:NMTOKEN	
used by	attribute	FilenameType/@transfer
facets	enumeration	false
	enumeration	optional
	enumeration	true

simpleType **VersionPattern**

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

type restriction of **xs:string**

used by attributes [SystemInformationGroup/@glibc](#) [SystemInformationGroup/@osversion](#) [adag/executable/@version](#) [adag/transformation/@version](#) [adag/job/@version](#) [adag/@version](#) [JobUsesType/@version](#) [TransformationUsesType/@version](#)

facets pattern `[0-9]+(\.[0-9]+(\.[0-9]+)?)?`

attributeGroup **SystemInformationGroup**

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

used by element [adag/executable](#)

attributes	Name	Type	Use	Default	Fixed
	arch	ArchitectureType	optional	x86	
	os	OSType	optional	linux	
	osrelease	xs:string	optional		
	osversion	VersionPattern	optional		
	glibc	VersionPattern	optional		