

Schema **dax-3.2.xsd**

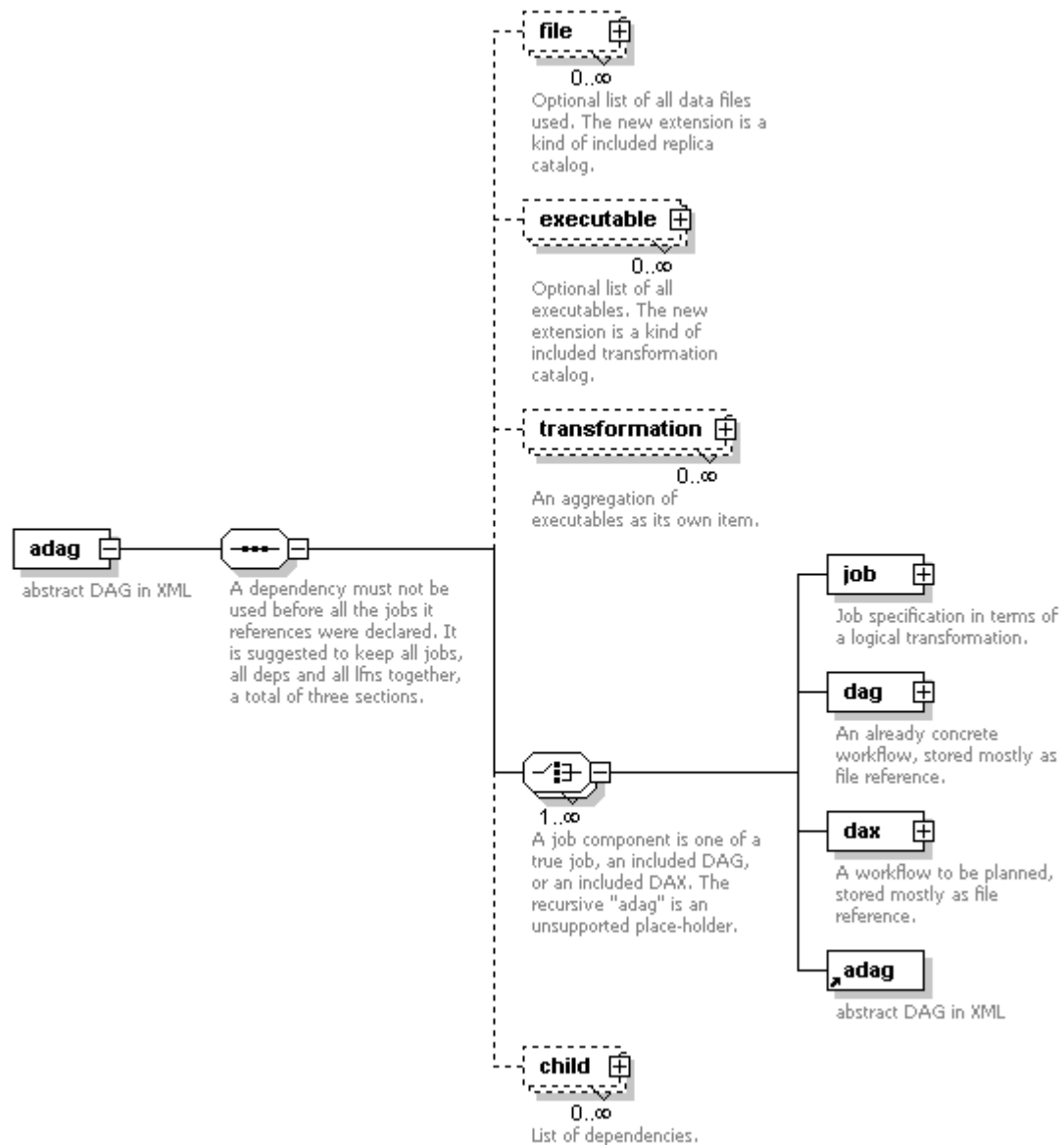
schema location: <C:\Documents and Settings\voeckler\Desktop\schema\dax-3.2\dax-3.2.xsd>

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

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

element **adag**

diagram



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

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

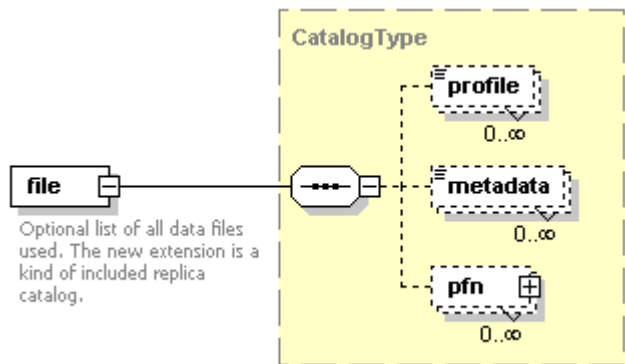
used by element [adag](#)

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

	r	
jobCount	xs:positiveInteger	optional
fileCount	xs:nonNegativeInteger	optional
	r	
childCount	xs:nonNegativeInteger	optional
	r	

element **adag/file**

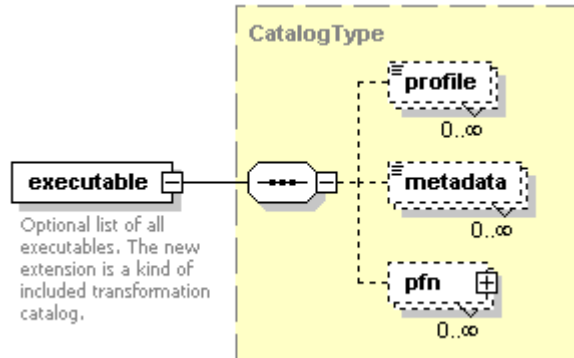
diagram



namespace	http://pegasus.isi.edu/schema/DAX				
type	extension of CatalogType				
children	profile metadata pfn				
attributes	Name	Type	Use	Default	Fixed
	name	xs:NMTOKEN	required		
	link	LinkageType	optional		
	optional	xs:boolean	optional	false	

element **adag/executable**

diagram



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

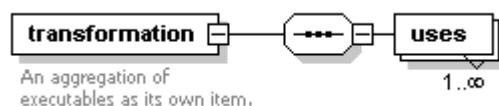
type extension of [CatalogType](#)

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

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

element **adag/transformation**

diagram



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

children [uses](#)

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

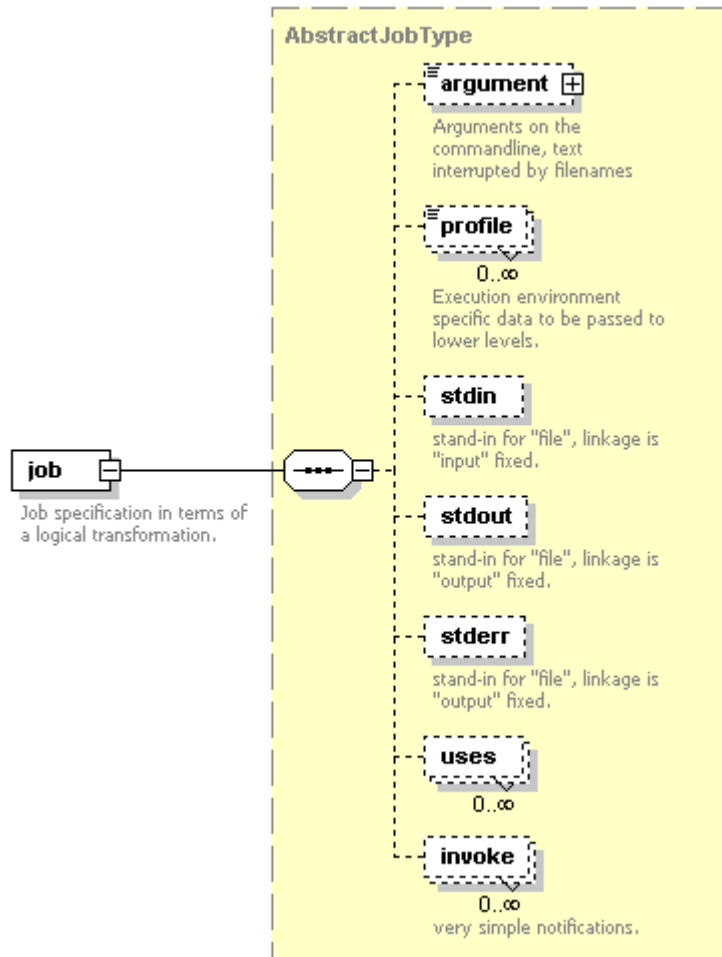
element **adag/transformation/uses**



namespace	http://pegasus.isi.edu/schema/DAX				
type	UsesType				
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		
	exectuable	xs:boolean	optional	false	

element **adag/job**

diagram



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

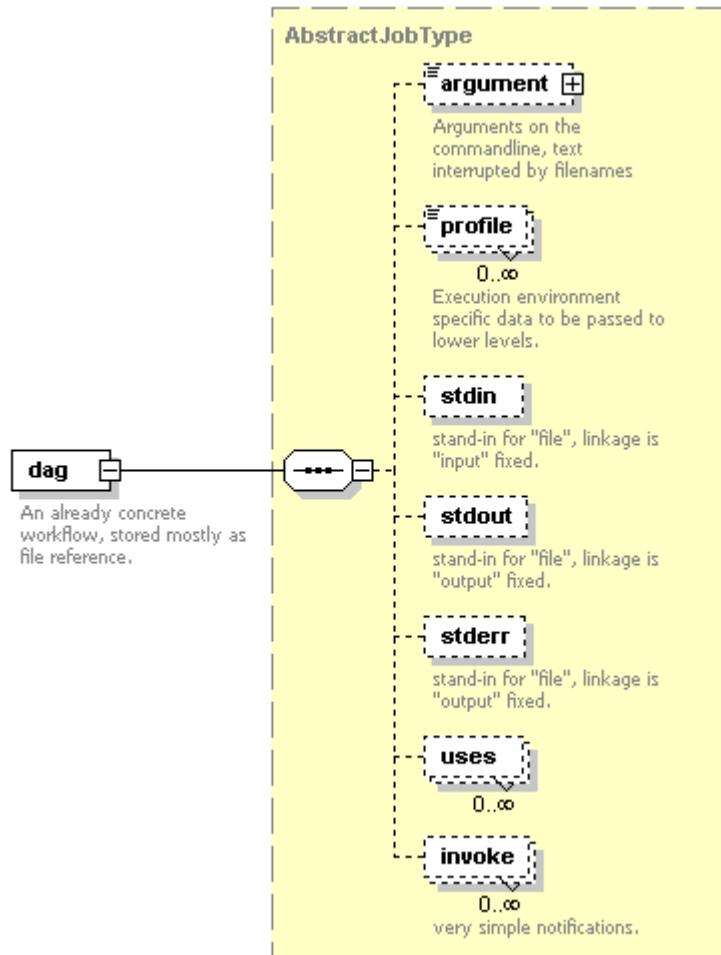
type extension of [AbstractJobType](#)

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

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

element **adag/dag**

diagram



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

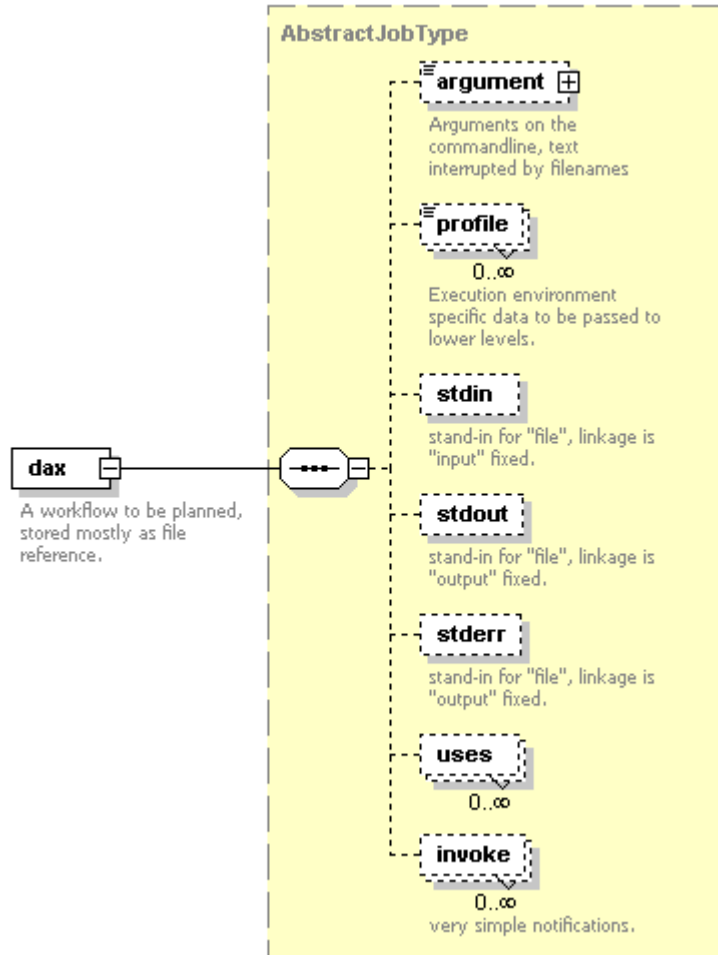
type [AbstractJobType](#)

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

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

element **adag/dax**

diagram



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

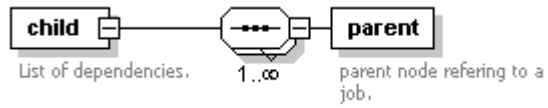
type [AbstractJobType](#)

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

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

element **adag/child**

diagram



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

children [parent](#)

attributes	Name	Type	Use	Default	Fixed
	ref	NodeIdentifierPattern	required		

element **adag/child/parent**

diagram

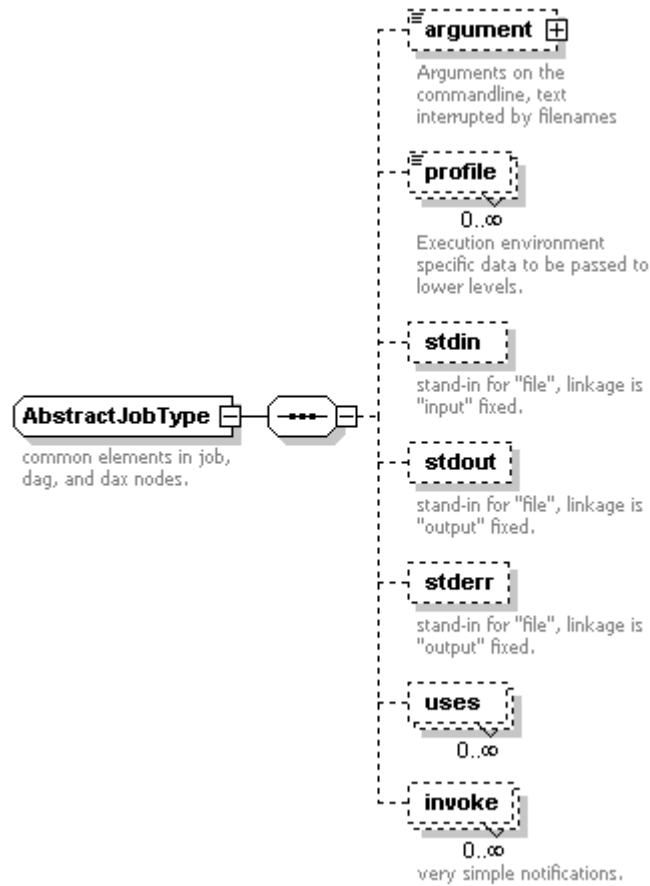


namespace <http://pegasus.isi.edu/schema/DAX>

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
	name	xs:NMTOKEN	required		
	id	NodeIdentifierPattern	required		
	node-label	xs:string	optional		

element **AbstractJobType/argument**

diagram

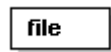


namespace <http://pegasus.isi.edu/schema/DAX>

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



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



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

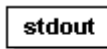
namespace <http://pegasus.isi.edu/schema/DAX>

type extension of [PlainFilenameType](#)

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

element **AbstractJobType/stdout**

diagram



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

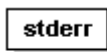
namespace <http://pegasus.isi.edu/schema/DAX>

type extension of [PlainFilenameType](#)

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

element **AbstractJobType/stderr**

diagram



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
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element **AbstractJobType/uses**

diagram



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

type [UsesType](#)

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		
	exectuable	xs:boolean	optional	false	

element **AbstractJobType/invoke**

diagram



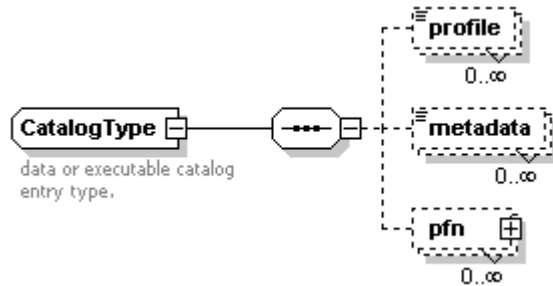
very simple notifications.

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

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:NMTOKEN	required		

element **CatalogType/profile**

diagram



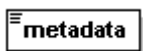
namespace <http://pegasus.isi.edu/schema/DAX>

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>

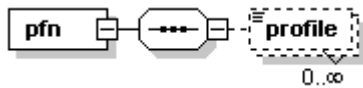
type extension of **xs:string**

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

element **CatalogType/pfn**

diagram



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**

diagram



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

type [ProfileType](#)

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

complexType **FilenameType**

diagram



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

type extension of [PlainFilenameType](#)

used by complexType [UsesType](#)

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 PlainFilenameType

diagram



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

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

complexType [FilenameType](#)

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 **UsesType**

diagram



type for uses element refers
either to data or to
executables. Add "type"
attribute yourself.

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

type extension of [FilenameType](#)

used by elements [adag/transformation/uses](#) [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		
	exectuable	xs:boolean	optional	false	

simpleType **ArchitectureType**

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

type restriction of **xs:NMTOKENS**

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

facets	enumeration	x86
	enumeration	x86_64
	enumeration	ppc
	enumeration	ppc_64
	enumeration	ia64
	enumeration	sparcv7

enumeration sparcv9

enumeration 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 **FileType**

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

type restriction of **xs:NMTOKEN**

facets enumeration file

enumeration executable

enumeration pattern

simpleType **LinkageType**

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

type restriction of **xs:NMTOKEN**

used by attributes [adag/file/@link](#) [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	darwin	
	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](#) [UsesType/@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		

