

## Schema **dax-3.3.xsd**

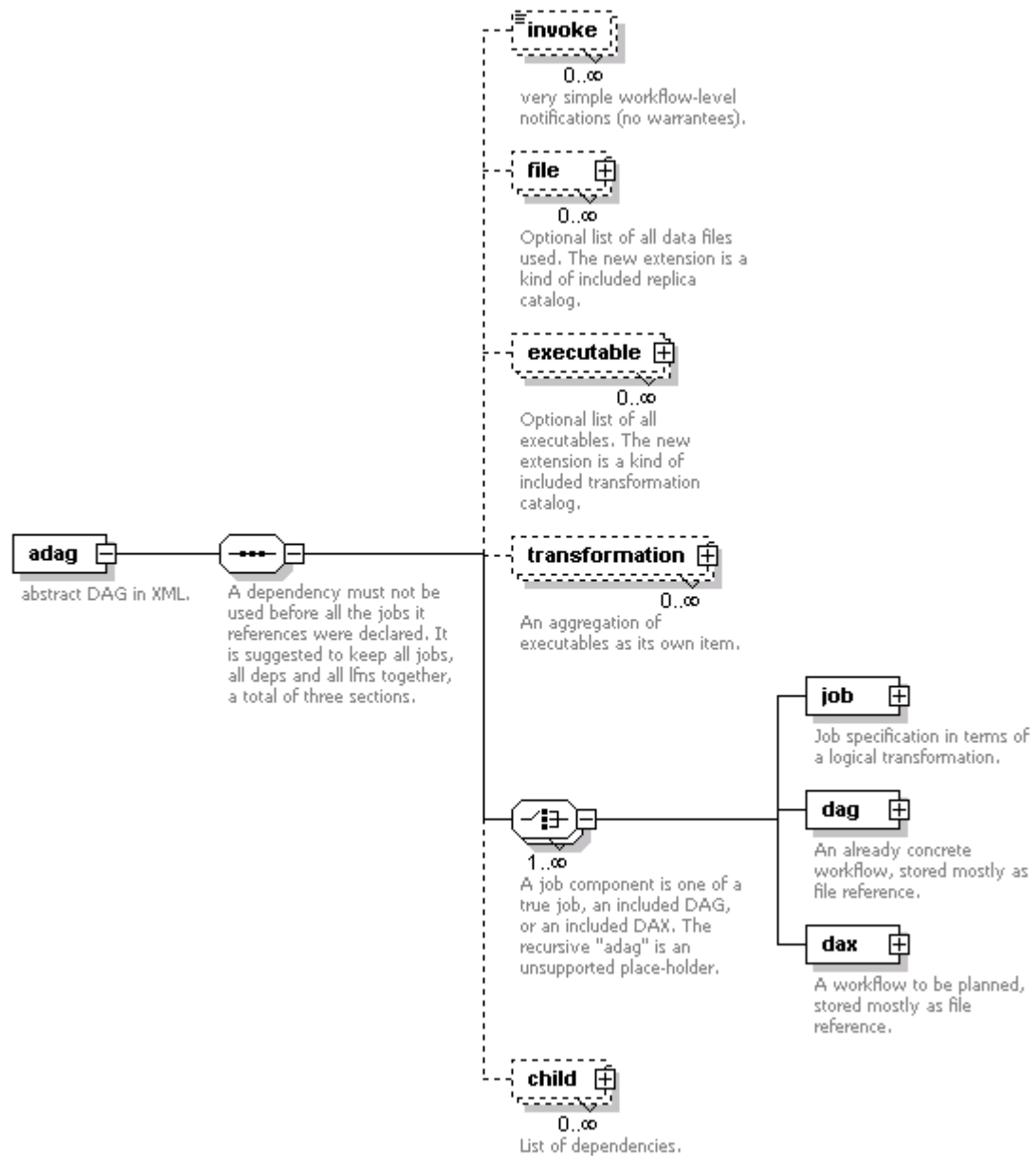
schema location: <C:\Documents and Settings\voeckler\Desktop\schema\dax-3.3\dax-3.3.xsd>

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

Elements	Complex types	Simple types	Attr. groups
<a href="#">adag</a>	<a href="#">AbstractJobType</a>	<a href="#">ArchitectureType</a>	<a href="#">SystemInformationGroup</a>
	<a href="#">CatalogType</a>	<a href="#">FilenameSafePattern</a>	
	<a href="#">FilenameType</a>	<a href="#">LinkageType</a>	
	<a href="#">InvokeType</a>	<a href="#">NodeIdentifierPattern</a>	
	<a href="#">JobUsesType</a>	<a href="#">OSType</a>	
	<a href="#">PlainFilenameType</a>	<a href="#">ProfileNamespace</a>	
	<a href="#">ProfileType</a>	<a href="#">TransferType</a>	
	<a href="#">TransformationUsesType</a>	<a href="#">VersionPattern</a>	

## 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	

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## element **adag/invoke**

diagram



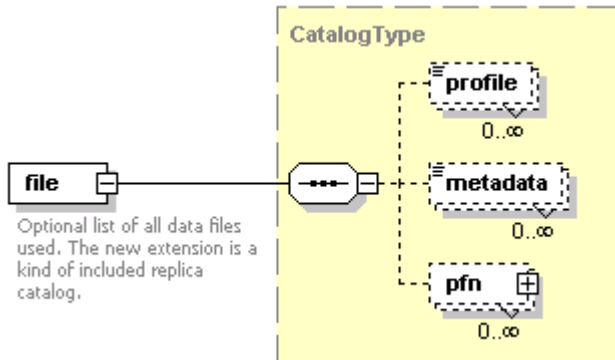
namespace <http://pegasus.isi.edu/schema/DAX>

type [InvokeType](#)

attributes	Name	Type	Use	Default	Fixed
	when	xs:NMTOKEN	required		

## element **adag/file**

diagram



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

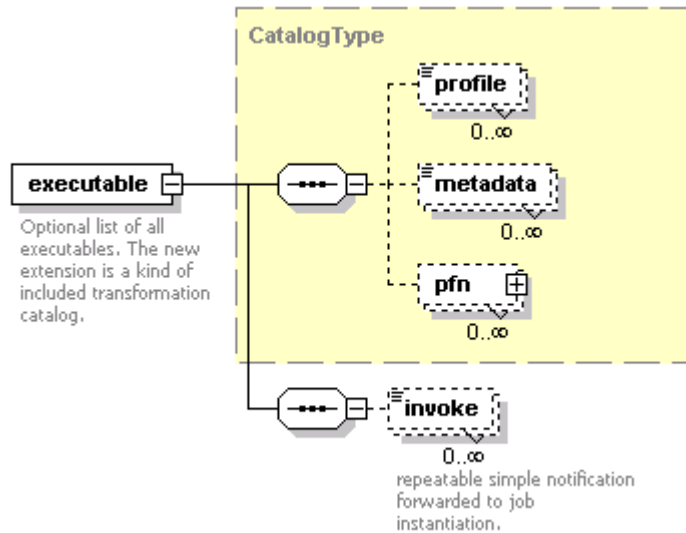
type [CatalogType](#)

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

attributes	Name	Type	Use	Default	Fixed
	name	xs:string	required		

## element **adag/executable**

diagram



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

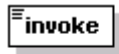
type extension of [CatalogType](#)

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.

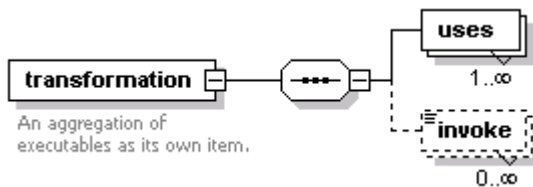
namespace <http://pegasus.isi.edu/schema/DAX>

type [InvokeType](#)

attributes	Name	Type	Use	Default	Fixed
	when	xs:NMTOKEN	required		

## element **adag/transformation**

diagram



An aggregation of  
executables as its own item.

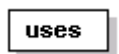
namespace <http://pegasus.isi.edu/schema/DAX>

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

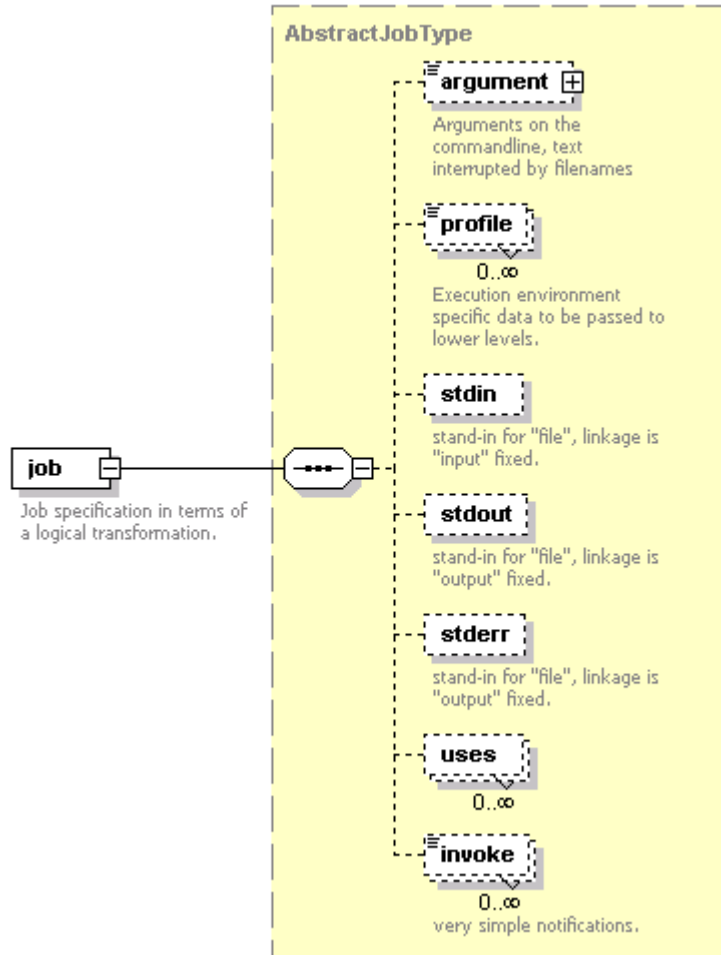
element **adag/transformation/invoke**



namespace	http://pegasus.isi.edu/schema/DAX				
type	<a href="#">InvokeType</a>				
attributes	Name	Type	Use	Default	Fixed
	when	xs:NMTOKEN	required		

## element **adag/job**

diagram



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

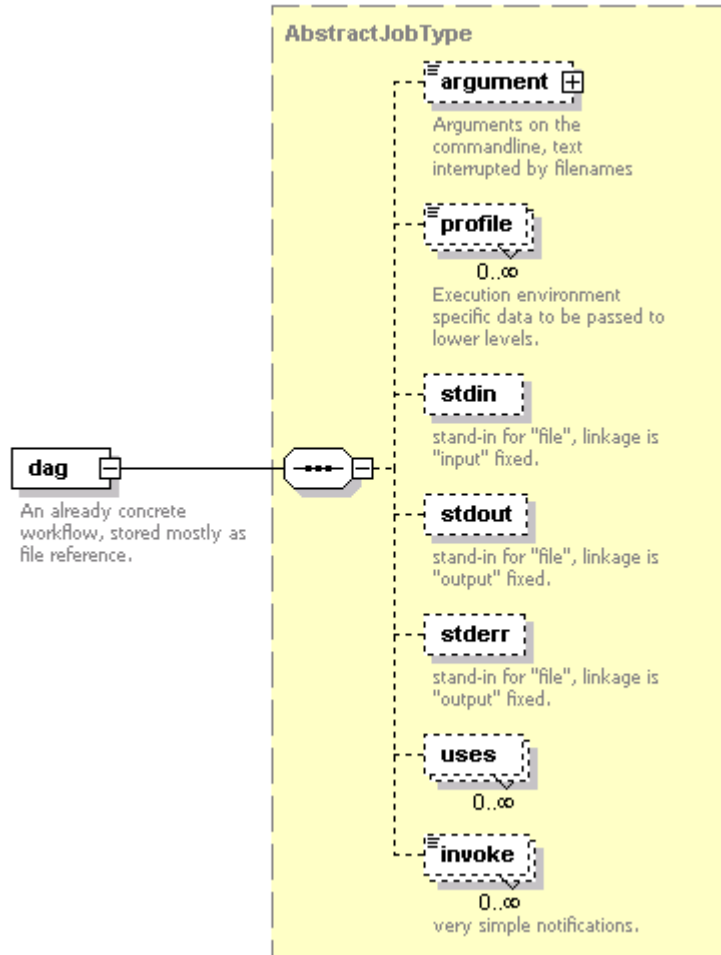
type extension of [AbstractJobType](#)

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

attributes	Name	Type	Use	Default	Fixed
	id	NodeIdentifierPattern	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](#)

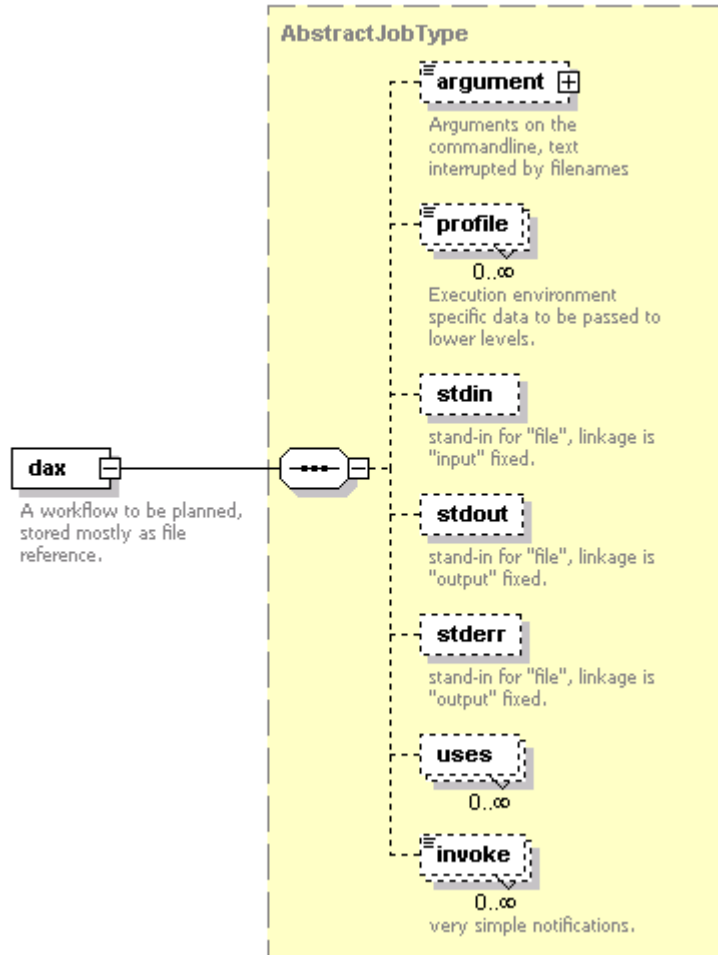
children [argument](#) [profile](#) [stdin](#) [stdout](#) [stderr](#) [uses](#) [invoke](#)

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



## element **adag/dax**

diagram



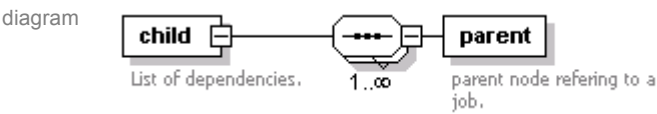
namespace <http://pegasus.isi.edu/schema/DAX>

type extension of [AbstractJobType](#)

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

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

element **adag/child**



namespace	http://pegasus.isi.edu/schema/DAX					
children	<a href="#">parent</a>					
attributes	Name	Type	Use	Default	Fixed	
	ref	NodeIdentifierPattern	required			

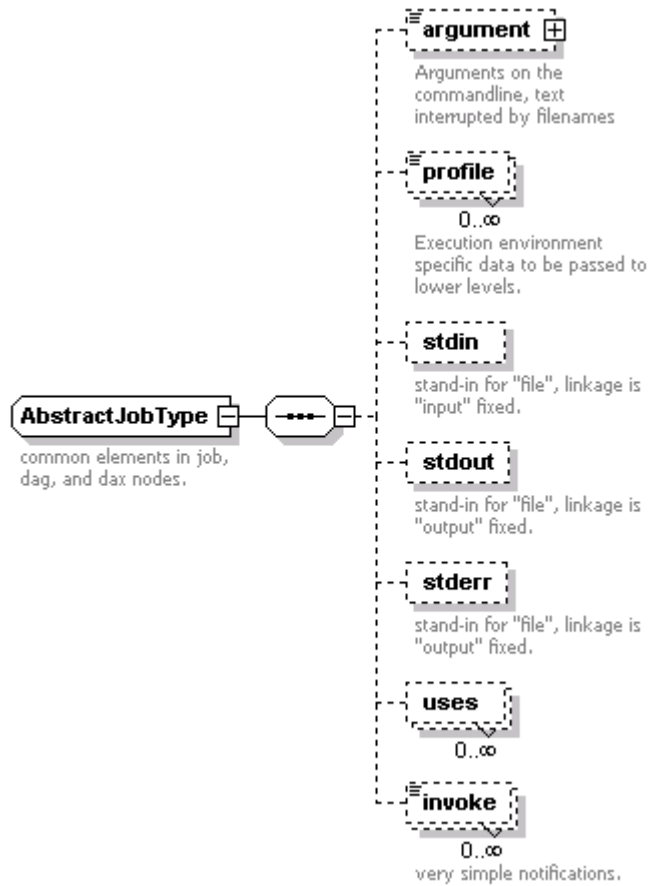
element **adag/child/parent**



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>

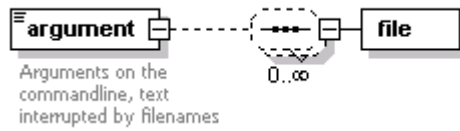
children [argument](#) [profile](#) [stdin](#) [stdout](#) [stderr](#) [uses](#) [invoke](#)

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

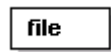


namespace <http://pegasus.isi.edu/schema/DAX>

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



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.

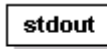
namespace <http://pegasus.isi.edu/schema/DAX>

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.

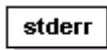
namespace <http://pegasus.isi.edu/schema/DAX>

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



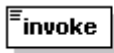
namespace <http://pegasus.isi.edu/schema/DAX>

type [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**

diagram



very simple notifications.

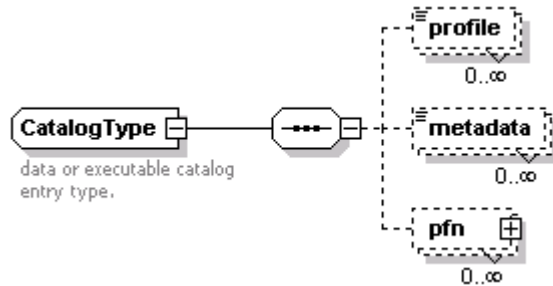
namespace <http://pegasus.isi.edu/schema/DAX>

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>

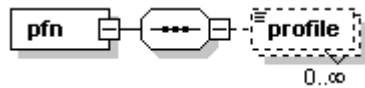
type extension of **xs:string**

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

## element **CatalogType/pfn**

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



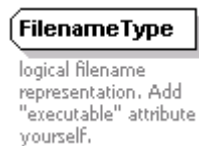
namespace <http://pegasus.isi.edu/schema/DAX>

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    [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**

diagram      
defines notifications.  
Notifications are currently  
NOT SUPPORTED.

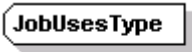
namespace    <http://pegasus.isi.edu/schema/DAX>

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**

diagram      
type for job-like uses  
elements that refers either to  
data or to executables.

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>

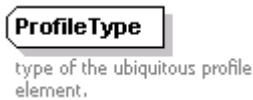
used by elements [AbstractJobType/argument/file](#) [AbstractJobType/stderr](#) [AbstractJobType/stdin](#) [AbstractJobType/stdout](#)

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

attributes	Name	Type	Use	Default	Fixed
	name	xs:string	required		

## complexType ProfileType

diagram



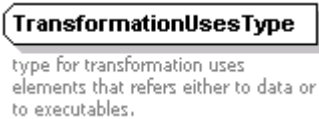
namespace <http://pegasus.isi.edu/schema/DAX>

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	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 <b>xs:NMTOKEN</b>
used by	attribute <a href="#">adag/@name</a>
facets	pattern <code>[-.0-9a-zA-Z_]+</code>

### simpleType **LinkageType**

namespace	http://pegasus.isi.edu/schema/DAX
type	restriction of <b>xs:NMTOKEN</b>
used by	attributes <a href="#">FilenameType/@link</a> <a href="#">AbstractJobType/stdin/@link</a> <a href="#">AbstractJobType/stdout/@link</a> <a href="#">AbstractJobType/stderr/@link</a>
facets	enumeration <b>none</b>
	enumeration <b>input</b>
	enumeration <b>output</b>
	enumeration <b>inout</b>

### simpleType **NodeIdentifierPattern**

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

### simpleType **OSType**

namespace	http://pegasus.isi.edu/schema/DAX
type	restriction of <b>xs:NMTOKENS</b>
used by	attribute <a href="#">SystemInformationGroup/@os</a>

facets	enumeration	aix
	enumeration	sunos
	enumeration	linux
	enumeration	macosx
	enumeration	windows

## simpleType **ProfileNamespace**

namespace	http://pegasus.isi.edu/schema/DAX	
type	restriction of <b>xs:NMTOKEN</b>	
used by	attribute	<a href="#">ProfileType/@namespace</a>
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 <b>xs:NMTOKEN</b>	
used by	attribute	<a href="#">FilenameType/@transfer</a>
facets	enumeration	false
	enumeration	optional
	enumeration	true

## simpleType **VersionPattern**

namespace	<a href="http://pegasus.isi.edu/schema/DAX">http://pegasus.isi.edu/schema/DAX</a>				
type	restriction of <b>xs:string</b>				
used by	attributes	<a href="#">SystemInformationGroup/@glibc</a> <a href="#">SystemInformationGroup/@osversion</a> <a href="#">adag/executable/@version</a> <a href="#">adag/transformation/@version</a> <a href="#">adag/job/@version</a> <a href="#">adag/@version</a> <a href="#">JobUsesType/@version</a> <a href="#">TransformationUsesType/@version</a>			
facets	pattern	[0-9]+(\.[0-9]+(\.[0-9]+)?)?			

## attributeGroup **SystemInformationGroup**

namespace	<a href="http://pegasus.isi.edu/schema/DAX">http://pegasus.isi.edu/schema/DAX</a>				
used by	element	<a href="#">adag/executable</a>			
attributes	Name	Type	Use	Default	Fixed
	arch	ArchitectureType	optional	x86	
	os	OSType	optional	linux	
	osrelease	xs:string	optional		
	osversion	VersionPattern	optional		
	glibc	VersionPattern	optional		