

## Schema iv-2.1.xsd

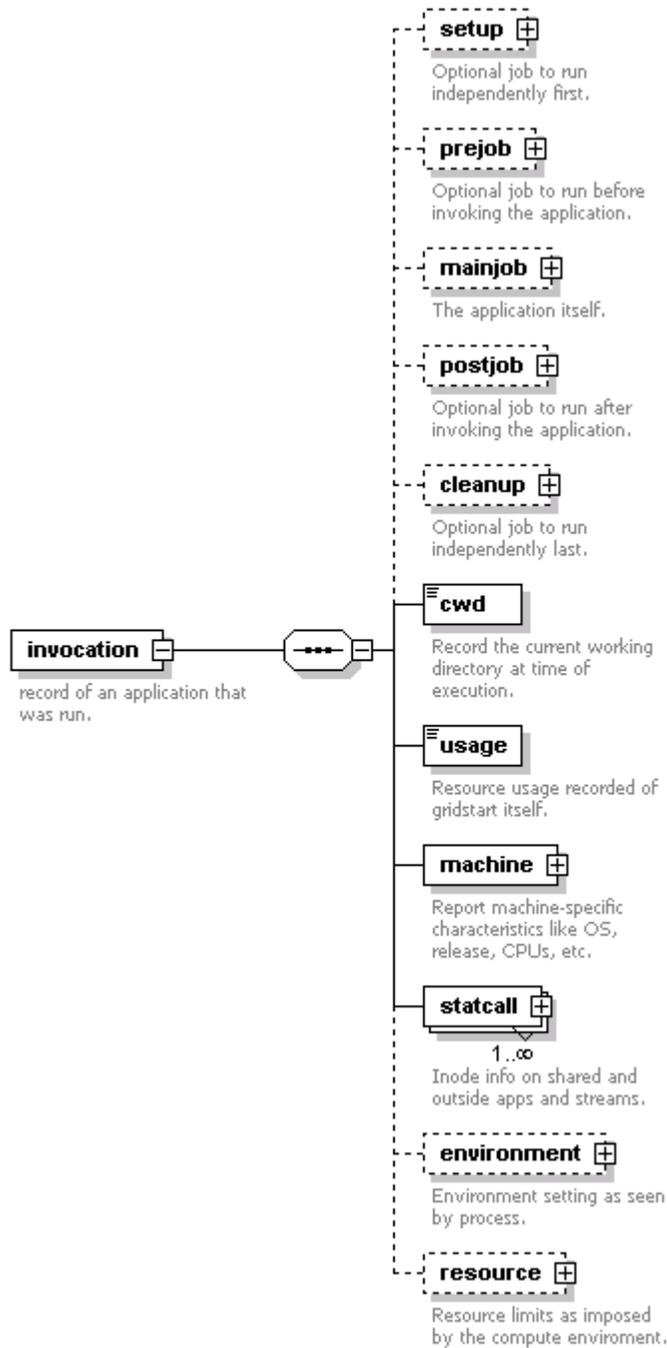
schema location: <C:\Documents and Settings\voeckler\Desktop\schemaliv-2.1\iv-2.1.xsd>

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

Elements	Complex types	Simple types
<a href="#">invocation</a>	<a href="#">JobType</a>	<a href="#">DottedQuad</a>
	<a href="#">MachineBasic</a>	<a href="#">PositiveDecimal</a>
	<a href="#">MachineDarwin</a>	<a href="#">ResourceValue</a>
	<a href="#">MachineLinux</a>	
	<a href="#">MachineSunos</a>	
	<a href="#">RUsageType</a>	
	<a href="#">StatCallType</a>	

## element invocation

diagram



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

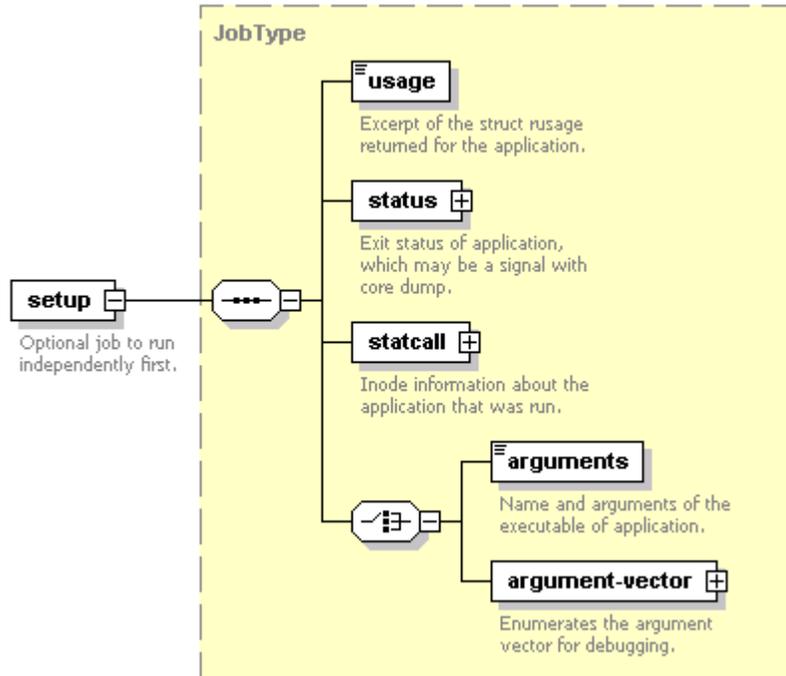
children [setup](#) [prejob](#) [mainjob](#) [postjob](#) [cleanup](#) [cwd](#) [usage](#) [machine](#) [statcall](#) [environment](#) [resource](#)

attributes	Name	Type	Use	Default	Fixed
	version	xs:NMTOKEN	required		
	start	xs:dateTime	required		

duration	PositiveDecimal	required	
transformation	xs:string	optional	null
derivation	xs:string	optional	null
resource	xs:string	optional	
interface	xs:NMTOKEN	optional	
hostaddr	DottedQuad	optional	0.0.0.0
hostname	xs:string	optional	
ram	xs:nonNegativeInteger	optional	
pid	xs:decimal	optional	
uid	xs:integer	optional	
user	xs:string	optional	
gid	xs:integer	optional	
group	xs:string	optional	
wf-label	xs:string	optional	
wf-stamp	xs:dateTime	optional	
umask	xs:token	optional	

## element invocation/setup

diagram



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

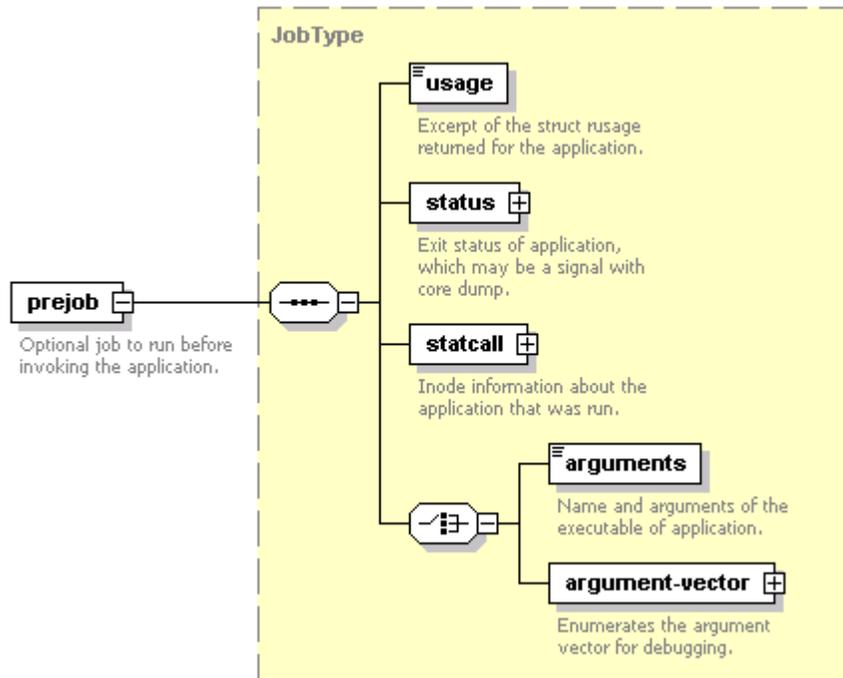
type [JobType](#)

children [usage](#) [status](#) [statcall](#) [arguments](#) [argument-vector](#)

attributes	Name	Type	Use	Default	Fixed
	start	xs:dateTime	required		
	duration	PositiveDecimal	required		
	pid	xs:decimal	optional		

## element invocation/prejob

diagram



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

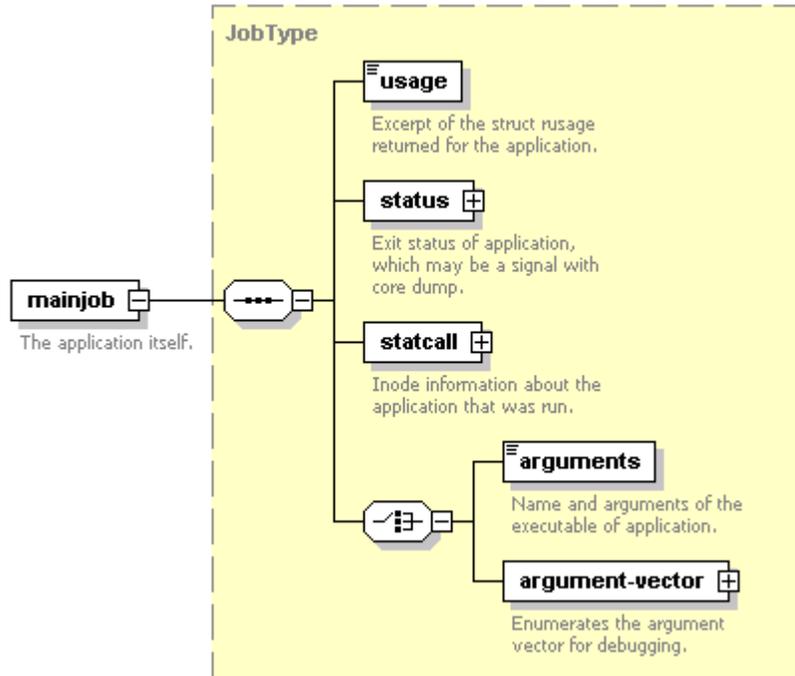
type [JobType](#)

children [usage](#) [status](#) [statcall](#) [arguments](#) [argument-vector](#)

attributes	Name	Type	Use	Default	Fixed
	start	xs:dateTime	required		
	duration	PositiveDecimal	required		
	pid	xs:decimal	optional		

## element invocation/mainjob

diagram



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

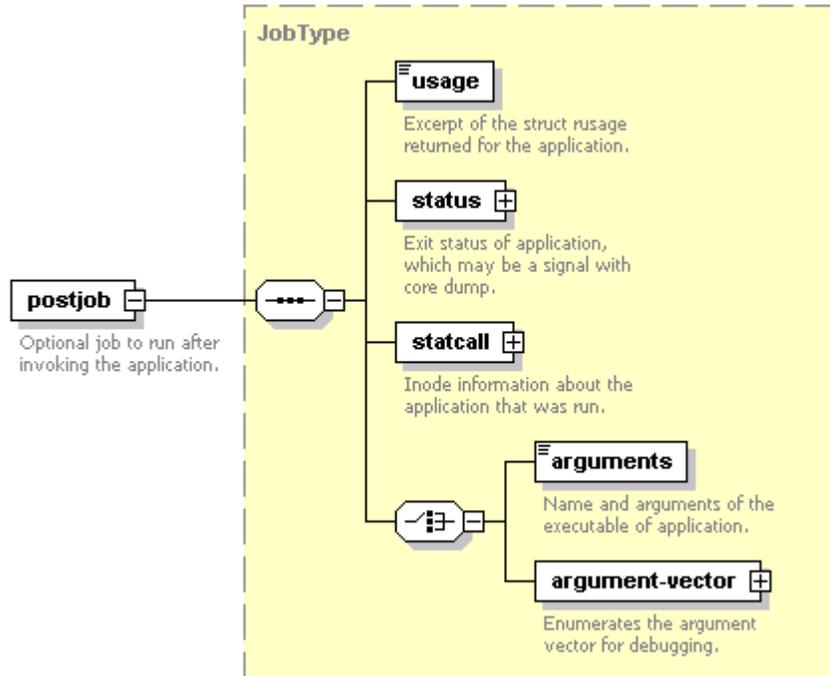
type [JobType](#)

children [usage](#) [status](#) [statcall](#) [arguments](#) [argument-vector](#)

attributes	Name	Type	Use	Default	Fixed
	start	xs:dateTime	required		
	duration	PositiveDecimal	required		
	pid	xs:decimal	optional		

## element invocation/postjob

diagram



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

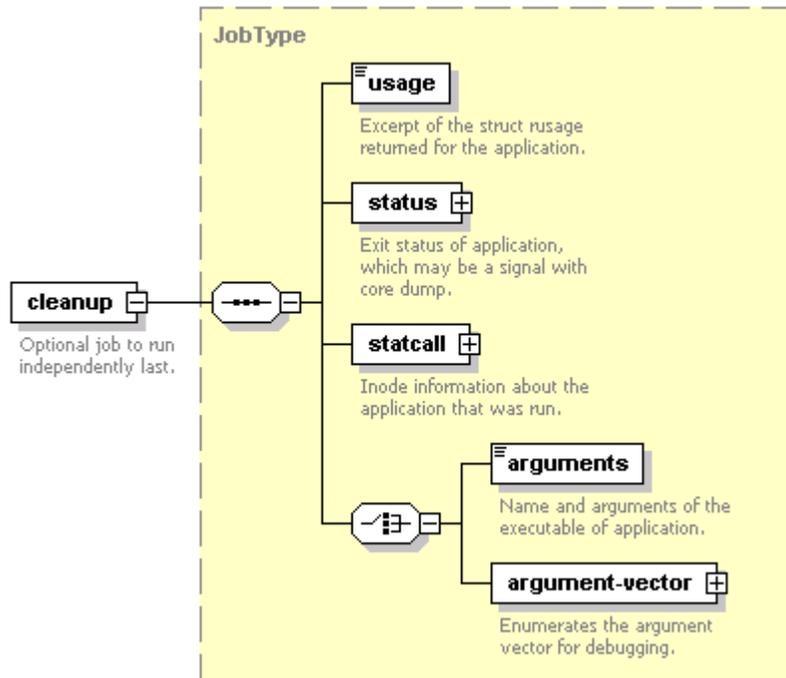
type [JobType](#)

children [usage](#) [status](#) [statcall](#) [arguments](#) [argument-vector](#)

attributes	Name	Type	Use	Default	Fixed
	start	xs:dateTime	required		
	duration	PositiveDecimal	required		
	pid	xs:decimal	optional		

## element invocation/cleanup

diagram



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

type **JobType**

children [usage](#) [status](#) [statcall](#) [arguments](#) [argument-vector](#)

attributes	Name	Type	Use	Default	Fixed
	start	xs:dateTime	required		
	duration	PositiveDecimal	required		
	pid	xs:decimal	optional		

## element invocation/cwd

diagram



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

type restriction of **xs:string**

facets      maxLength    4096  
              whiteSpace    preserve

## element invocation/usage

diagram



Resource usage recorded of  
gridstart itself.

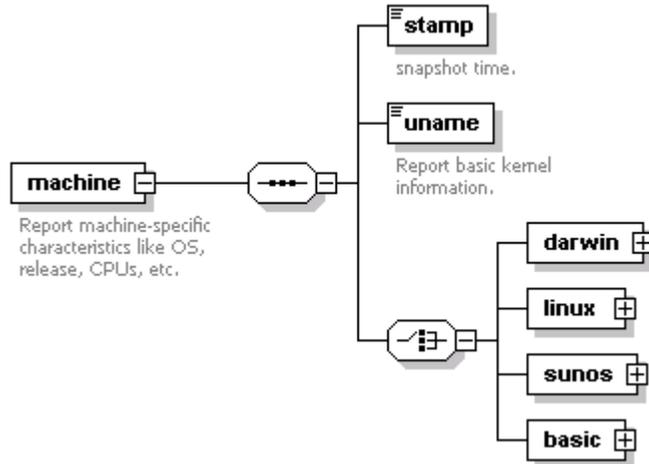
namespace    <http://pegasus.isi.edu/schema/invocation>

type        [RUsageType](#)

attributes	Name	Type	Use	Default	Fixed
	utime	xs:decimal	required		
	stime	xs:decimal	required		
	minflt	xs:unsignedLong	required		
	majflt	xs:unsignedLong	required		
	nswap	xs:unsignedLong	required		
	nsignals	xs:unsignedLong	required		
	nvcs	xs:unsignedLong	optional		
	nivcs	xs:unsignedLong	optional		
	maxrss	xs:unsignedLong	optional		
	ixrss	xs:unsignedLong	optional		
	idrss	xs:unsignedLong	optional		
	isrss	xs:unsignedLong	optional		
	inblock	xs:unsignedLong	optional		
	outblock	xs:unsignedLong	optional		
	msgsnd	xs:unsignedLong	optional		
	msgrcv	xs:unsignedLong	optional		

## element invocation/machine

diagram



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

children [stamp](#) [uname](#) [darwin](#) [linux](#) [sunos](#) [basic](#)

attributes	Name	Type	Use	Default	Fixed
	page-size	xs:nonNegativeInteger	required		

## element invocation/machine/stamp

diagram



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

type **xs:dateTime**

## element invocation/machine/uname

diagram

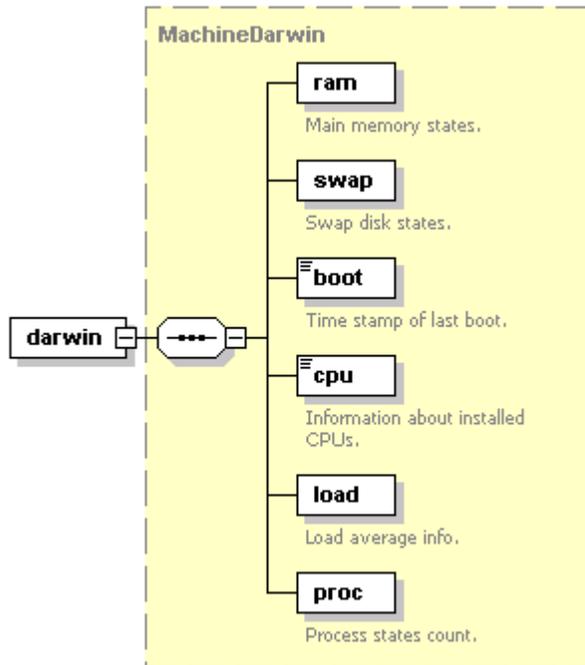


namespace <http://pegasus.isi.edu/schema/invocation>

type	extension of <b>xs:token</b>		Use	Default	Fixed
attributes	Name	Type			
	archmode	xs:NMTOKEN	optional		
	system	xs:NMTOKEN	required		
	nodename	xs:NMTOKEN	required		
	release	xs:NMTOKEN	required		
	machine	xs:NMTOKEN	required		
	domainname	xs:NMTOKEN	optional		

### element **invocation/machine/darwin**

diagram



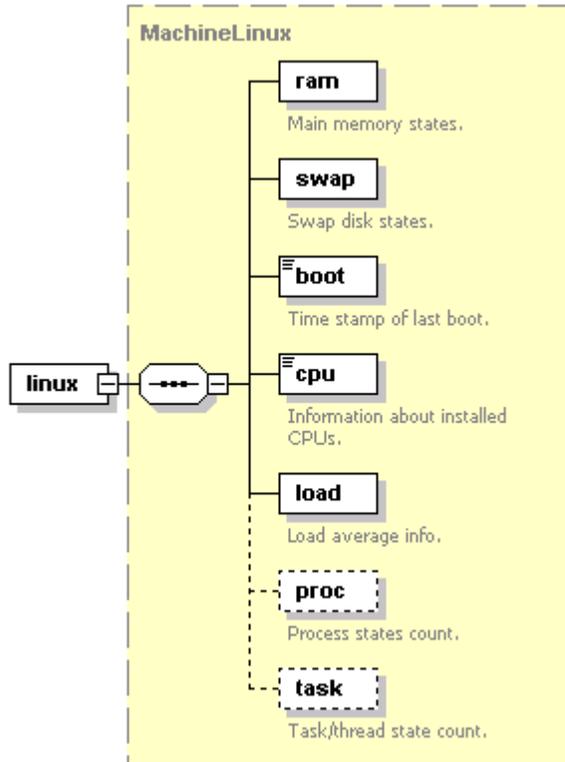
namespace <http://pegasus.isi.edu/schema/invocation>

type [MachineDarwin](#)

children [ram](#) [swap](#) [boot](#) [cpu](#) [load](#) [proc](#)

element **invocation/machine/linux**

diagram



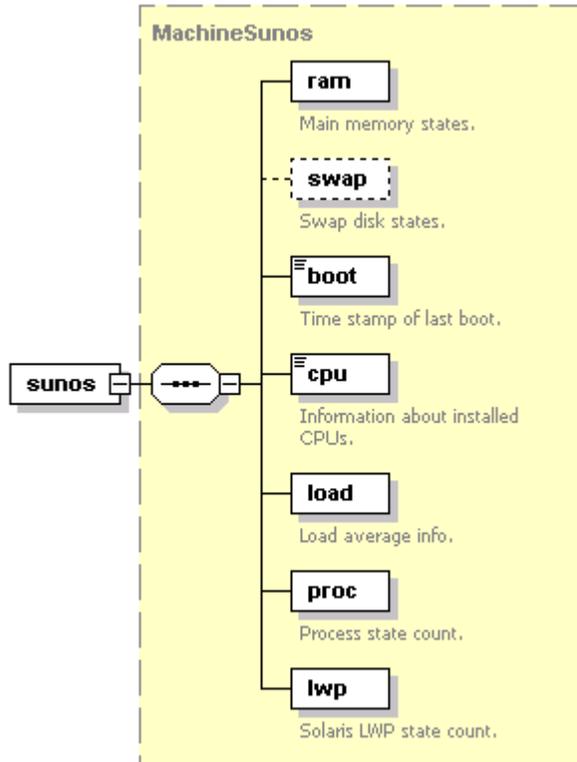
namespace <http://pegasus.isi.edu/schema/invocation>

type [MachineLinux](#)

children [ram](#) [swap](#) [boot](#) [cpu](#) [load](#) [proc](#) [task](#)

## element invocation/machine/sunos

diagram



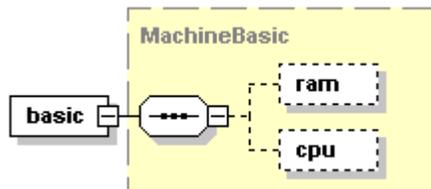
namespace <http://pegasus.isi.edu/schema/invocation>

type [MachineSunos](#)

children [ram](#) [swap](#) [boot](#) [cpu](#) [load](#) [proc](#) [lwp](#)

## element invocation/machine/basic

diagram



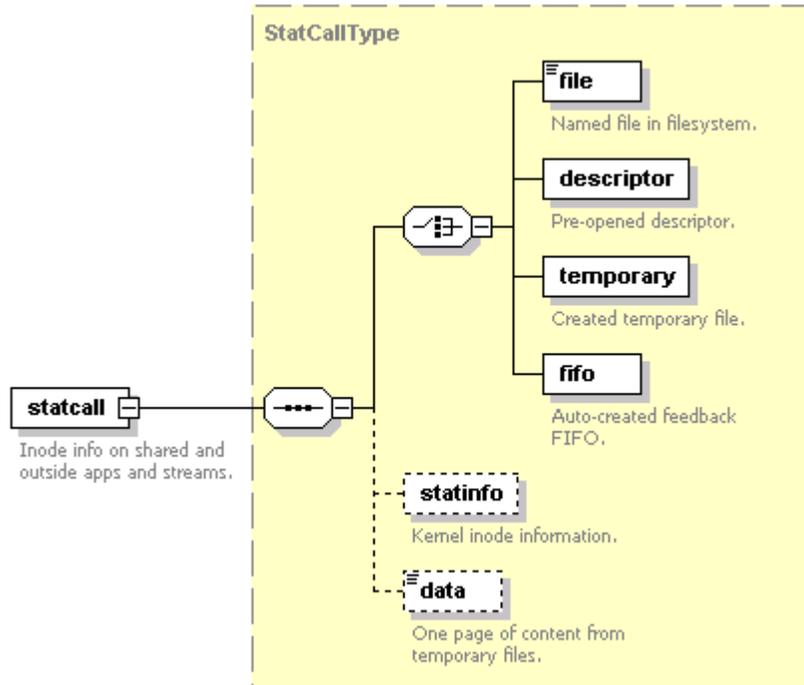
namespace <http://pegasus.isi.edu/schema/invocation>

type [MachineBasic](#)

children [ram](#) [cpu](#)

## element invocation/statcall

diagram



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

type extension of [StatCallType](#)

children [file](#) [descriptor](#) [temporary](#) [fifo](#) [statinfo](#) [data](#)

attributes	Name	Type	Use	Default	Fixed
	error	xs:int	required		
	id	xs:NMTOKEN	required		
	lfn	xs:NMTOKEN	optional		

## element invocation/environment

diagram



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

children [env](#)

### element invocation/environment/env

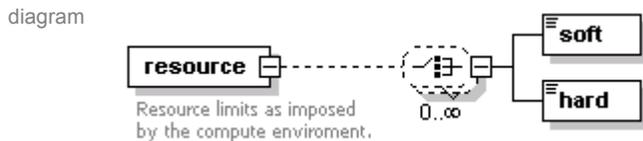


namespace <http://pegasus.isi.edu/schema/invocation>

type extension of **xs:string**

attributes	Name	Type	Use	Default	Fixed
	key	xs:string	required		

### element invocation/resource



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

children [soft](#) [hard](#)

### element invocation/resource/soft



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

type extension of [ResourceValue](#)

facets pattern (unlimited|d+)

attributes	Name	Type	Use	Default	Fixed
	id	xs:NMTOKEN	required		

## element invocation/resource/hard

diagram



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

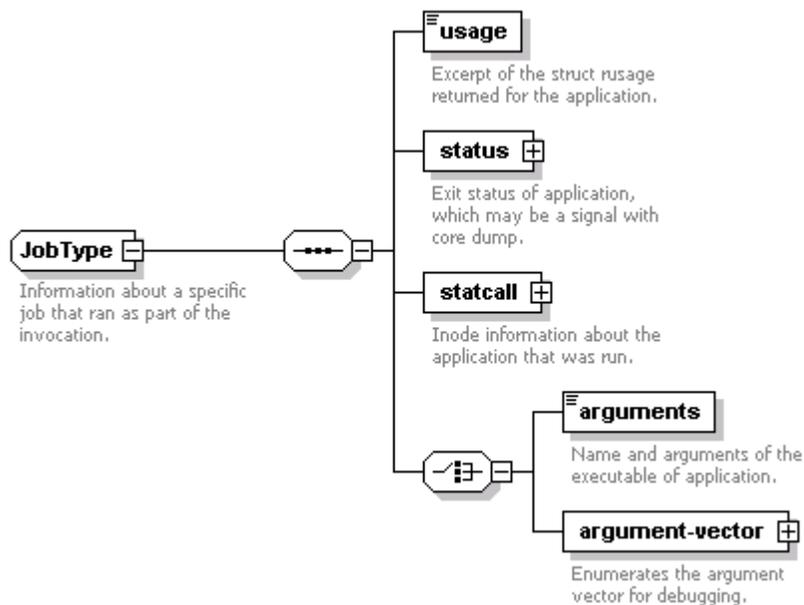
type extension of [ResourceValue](#)

facets pattern (unlimited|d+)

attributes	Name	Type	Use	Default	Fixed
	id	xs:NMTOKEN	required		

## complexType JobType

diagram



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

children [usage](#) [status](#) [statcall](#) [arguments](#) [argument-vector](#)

used by elements [invocation/cleanup](#) [invocation/mainjob](#) [invocation/postjob](#) [invocation/prejob](#) [invocation/setup](#)

attributes	Name	Type	Use	Default	Fixed
	start	xs:dateTime	required		
	duration	PositiveDecimal	required		

pid                      xs:decimal                      optional

## element **JobType/usage**

diagram



Excerpt of the struct rusage  
returned for the application.

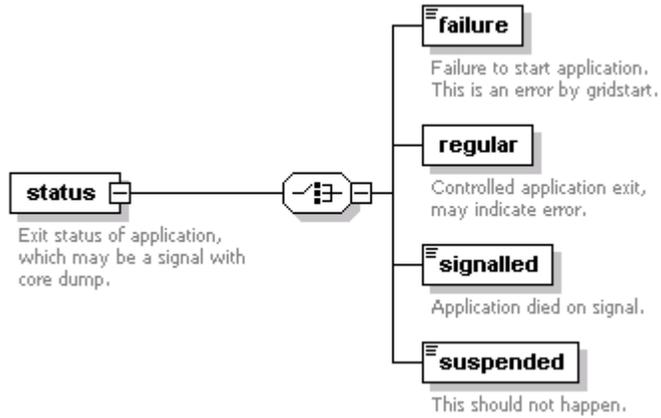
namespace <http://pegasus.isi.edu/schema/invocation>

type [RUsageType](#)

attributes	Name	Type	Use	Default	Fixed
	utime	xs:decimal	required		
	stime	xs:decimal	required		
	minflt	xs:unsignedLong	required		
	majflt	xs:unsignedLong	required		
	nswap	xs:unsignedLong	required		
	signals	xs:unsignedLong	required		
	nvcs	xs:unsignedLong	optional		
	nivcs	xs:unsignedLong	optional		
	maxrss	xs:unsignedLong	optional		
	ixrss	xs:unsignedLong	optional		
	idrss	xs:unsignedLong	optional		
	isrss	xs:unsignedLong	optional		
	inblock	xs:unsignedLong	optional		
	outblock	xs:unsignedLong	optional		
	msgsnd	xs:unsignedLong	optional		
	msgrcv	xs:unsignedLong	optional		

## element JobType/status

diagram



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

children [failure](#) [regular](#) [signalled](#) [suspended](#)

attributes	Name	Type	Use	Default	Fixed
	raw	xs:int	required		

## element JobType/status/failure

diagram



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

type extension of **xs:string**

attributes	Name	Type	Use	Default	Fixed
	error	xs:short	required		

## element JobType/status/regular

diagram



namespace	http://pegasus.isi.edu/schema/invocation				
attributes	Name	Type	Use	Default	Fixed
	exitcode	xs:unsignedByte	required		

### element **JobType/status/signalled**



namespace	http://pegasus.isi.edu/schema/invocation				
type	extension of <b>xs:string</b>				
attributes	Name	Type	Use	Default	Fixed
	signal	xs:byte	required		
	corefile	xs:boolean	optional		

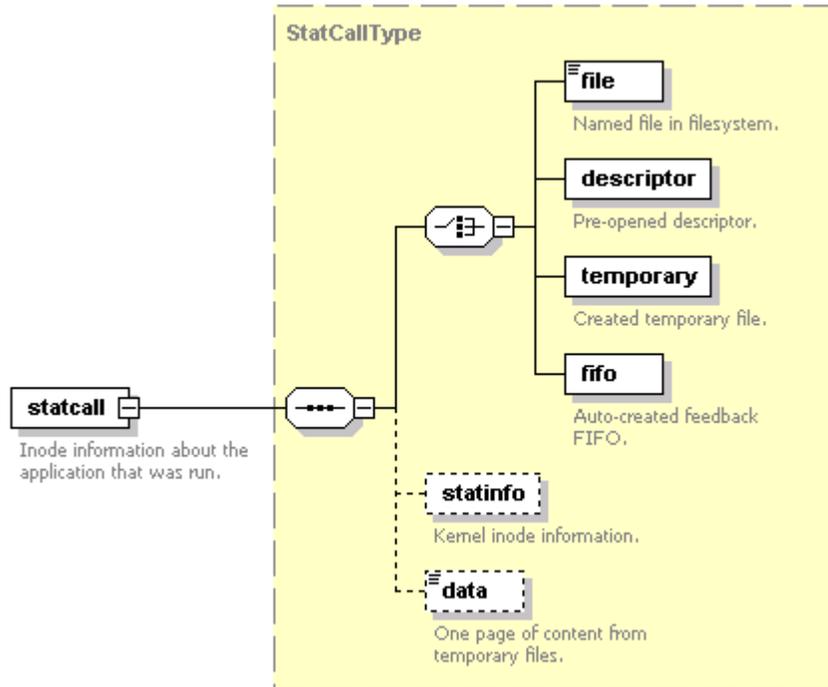
### element **JobType/status/suspended**



namespace	http://pegasus.isi.edu/schema/invocation				
type	extension of <b>xs:string</b>				
attributes	Name	Type	Use	Default	Fixed
	signal	xs:byte	required		

## element JobType/statcall

diagram



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

type [StatCallType](#)

children [file](#) [descriptor](#) [temporary](#) [fifo](#) [statinfo](#) [data](#)

attributes	Name	Type	Use	Default	Fixed
	error	xs:int	required		

## element JobType/arguments

diagram

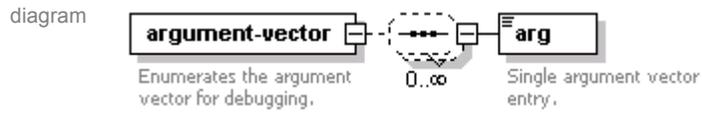


namespace <http://pegasus.isi.edu/schema/invocation>

type extension of **xs:string**

attributes	Name	Type	Use	Default	Fixed
	executable	xs:string	optional		

## element JobType/argument-vector



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

children [arg](#)

attributes	Name	Type	Use	Default	Fixed
	executable	xs:string	optional		

## element JobType/argument-vector/arg

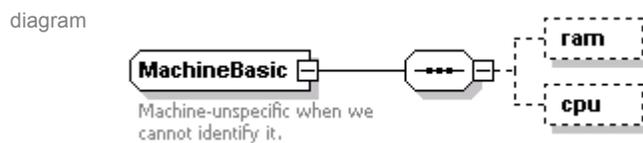


namespace <http://pegasus.isi.edu/schema/invocation>

type extension of **xs:string**

attributes	Name	Type	Use	Default	Fixed
	nr	xs:nonNegativeInteger	required		

## complexType MachineBasic



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

children [ram](#) [cpu](#)

used by element [invocation/machine/basic](#)

### element **MachineBasic/ram**

diagram



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

attributes	Name	Type	Use	Default	Fixed
	total	xs:nonNegativeInteger	optional		
	avail	xs:nonNegativeInteger	optional		

### element **MachineBasic/cpu**

diagram

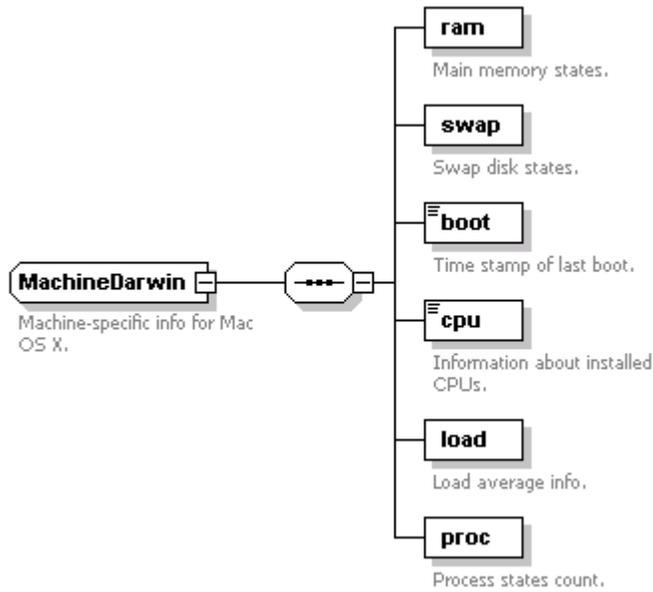


namespace <http://pegasus.isi.edu/schema/invocation>

attributes	Name	Type	Use	Default	Fixed
	total	xs:nonNegativeInteger	optional		
	online	xs:nonNegativeInteger	optional		

## complexType MachineDarwin

diagram



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

children [ram](#) [swap](#) [boot](#) [cpu](#) [load](#) [proc](#)

used by element [invocation/machine/darwin](#)

## element MachineDarwin/ram

diagram



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

attributes	Name	Type	Use	Default	Fixed
	total	xs:nonNegativeInteger			
	avail	xs:nonNegativeInteger			
	active	xs:nonNegativeInteger			
	inactive	xs:nonNegativeInteger			

wired                    xs:nonNegativeInteger

### element **MachineDarwin/swap**

diagram



Swap disk states.

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

attributes	Name	Type	Use	Default	Fixed
	total	xs:nonNegativeInteger			
	avail	xs:nonNegativeInteger	optional		
	used	xs:nonNegativeInteger	optional		

### element **MachineDarwin/boot**

diagram



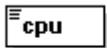
Time stamp of last boot.

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

type          extension of **xs:dateTime**

### element **MachineDarwin/cpu**

diagram



Information about installed CPUs.

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

type          extension of **xs:string**

attributes	Name	Type	Use	Default	Fixed
	count	xs:nonNegativeInteger			

speed	xs:nonNegativeInteger
vendor	xs:string

### element **MachineDarwin/load**

diagram



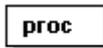
Load average info.

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

attributes	Name	Type	Use	Default	Fixed
	min1	PositiveDecimal	required		
	min5	PositiveDecimal	required		
	min15	PositiveDecimal	required		

### element **MachineDarwin/proc**

diagram



Process states count.

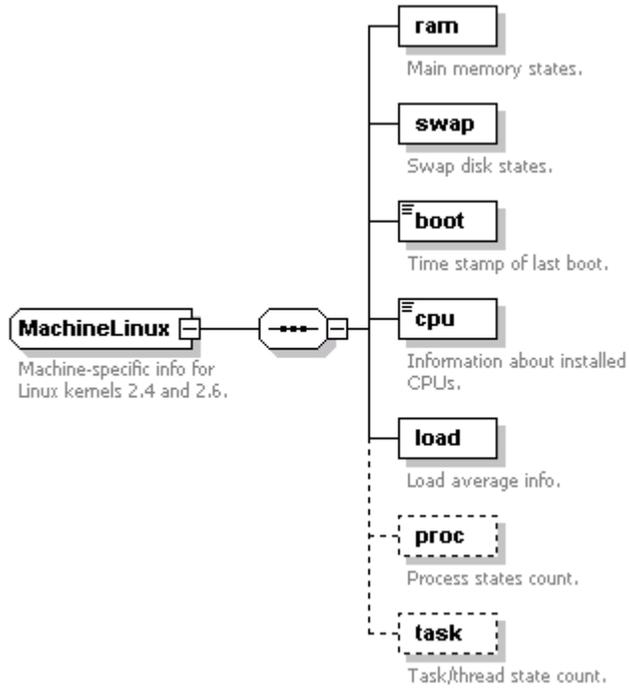
namespace <http://pegasus.isi.edu/schema/invoation>

attributes	Name	Type	Use	Default	Fixed
	total	xs:nonNegativeInteger			
	idle	xs:nonNegativeInteger			
	running	xs:nonNegativeInteger			
	sleeping	xs:nonNegativeInteger			
	waiting	xs:nonNegativeInteger			
	stopped	xs:nonNegativeInteger			
	zombie	xs:nonNegativeInteger			

other xs:nonNegativeInteger

### complexType MachineLinux

diagram



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

children [ram](#) [swap](#) [boot](#) [cpu](#) [load](#) [proc](#) [task](#)

used by element [invocation/machine/linux](#)

### element MachineLinux/ram

diagram



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

attributes	Name	Type	Use	Default	Fixed
	total	xs:nonNegativeInteger			
	free	xs:nonNegativeInteger			

shared	xs:nonNegativeInteger
buffer	xs:nonNegativeInteger

### element **MachineLinux/swap**

diagram



Swap disk states.

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

attributes	Name	Type	Use	Default	Fixed
	total	xs:nonNegativeInteger			
	free	xs:nonNegativeInteger			

### element **MachineLinux/boot**

diagram



Time stamp of last boot.

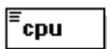
namespace <http://pegasus.isi.edu/schema/invocation>

type extension of **xs:dateTime**

attributes	Name	Type	Use	Default	Fixed
	idle	PositiveDecimal	optional		

### element **MachineLinux/cpu**

diagram



Information about installed CPUs.

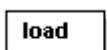
namespace <http://pegasus.isi.edu/schema/invocation>

type extension of **xs:string**

attributes	Name	Type	Use	Default	Fixed
	count	xs:nonNegativeInteger			
	speed	xs:nonNegativeInteger			
	vendor	xs:string			

### element **MachineLinux/load**

diagram



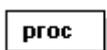
Load average info.

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

attributes	Name	Type	Use	Default	Fixed
	min1	PositiveDecimal	required		
	min5	PositiveDecimal	required		
	min15	PositiveDecimal	required		

### element **MachineLinux/proc**

diagram



Process states count.

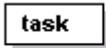
namespace <http://pegasus.isi.edu/schema/invoaction>

attributes	Name	Type	Use	Default	Fixed
	total	xs:nonNegativeInteger	required		
	running	xs:nonNegativeInteger	optional		
	sleeping	xs:nonNegativeInteger			
	waiting	xs:nonNegativeInteger			
	stopped	xs:nonNegativeInteger			
	zombie	xs:nonNegativeInteger			

	r
other	xs:nonNegativeInteger
vmsize	xs:nonNegativeInteger
rss	xs:nonNegativeInteger

element **MachineLinux/task**

diagram



Task/thread state count.

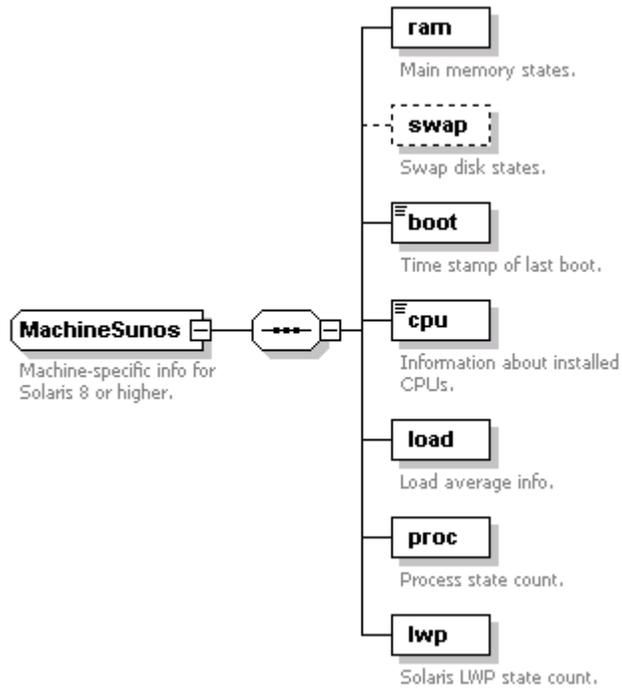
namespace <http://pegasus.isi.edu/schema/invoaction>

attributes

Name	Type	Use	Default	Fixed
total	xs:nonNegativeInteger	required		
running	xs:nonNegativeInteger	optional		
sleeping	xs:nonNegativeInteger			
waiting	xs:nonNegativeInteger			
stopped	xs:nonNegativeInteger			
zombie	xs:nonNegativeInteger			
other	xs:nonNegativeInteger			
vmsize	xs:nonNegativeInteger	optional		
rss	xs:nonNegativeInteger	optional		

## complexType MachineSunos

diagram



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

children [ram](#) [swap](#) [boot](#) [cpu](#) [load](#) [proc](#) [lwp](#)

used by element [invocation/machine/sunos](#)

## element MachineSunos/ram

diagram



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

attributes	Name	Type	Use	Default	Fixed
	total	xs:nonNegativeInteger	optional		
	avail	xs:nonNegativeInteger			
	free	xs:nonNegativeInteger			

### element **MachineSunos/swap**

diagram



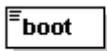
Swap disk states.

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

attributes	Name	Type	Use	Default	Fixed
	total	xs:nonNegativeInteger			
	free	xs:nonNegativeInteger			

### element **MachineSunos/boot**

diagram



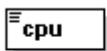
Time stamp of last boot.

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

type extension of **xs:dateTime**

### element **MachineSunos/cpu**

diagram



Information about installed CPUs.

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

type extension of **xs:string**

attributes	Name	Type	Use	Default	Fixed
	count	xs:nonNegativeInteger			
	speed	xs:nonNegativeInteger			
	online	xs:nonNegativeInteger			

type xs:string

brand xs:string

### element **MachineSunos/load**

diagram

**load**

Load average info.

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

attributes	Name	Type	Use	Default	Fixed
	min1	PositiveDecimal	required		
	min5	PositiveDecimal	required		
	min15	PositiveDecimal	required		

### element **MachineSunos/proc**

diagram

**proc**

Process state count.

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

attributes	Name	Type	Use	Default	Fixed
	total	xs:nonNegativeInteger			
	found	xs:nonNegativeInteger			
	size	xs:nonNegativeInteger			
	rss	xs:nonNegativeInteger			

### element **MachineSunos/lwp**

diagram

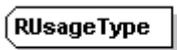
**lwp**

Solaris LWP state count.

namespace	http://pegasus.isi.edu/schema/invocation				
attributes	Name	Type	Use	Default	Fixed
	active	xs:nonNegativeInteger			
	zombie	xs:nonNegativeInteger			

### complexType RUsageType

diagram

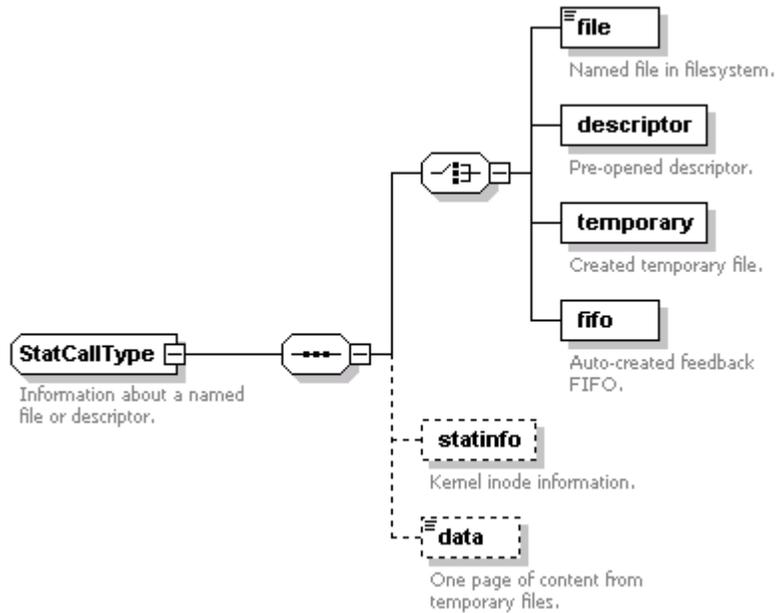


Information from the usage record.

namespace	http://pegasus.isi.edu/schema/invocation				
used by	elements	<a href="#">invocation/usage JobType/usage</a>			
attributes	Name	Type	Use	Default	Fixed
	utime	xs:decimal	required		
	stime	xs:decimal	required		
	minflt	xs:unsignedLong	required		
	majflt	xs:unsignedLong	required		
	nswap	xs:unsignedLong	required		
	signals	xs:unsignedLong	required		
	nvcs	xs:unsignedLong	optional		
	nivcs	xs:unsignedLong	optional		
	maxrss	xs:unsignedLong	optional		
	ixrss	xs:unsignedLong	optional		
	idrss	xs:unsignedLong	optional		
	isrss	xs:unsignedLong	optional		
	inblock	xs:unsignedLong	optional		
	outblock	xs:unsignedLong	optional		
	msgsnd	xs:unsignedLong	optional		
	msgrcv	xs:unsignedLong	optional		

## complexType StatCallType

diagram



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

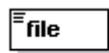
children [file](#) [descriptor](#) [temporary](#) [fifo](#) [statinfo](#) [data](#)

used by elements [invocation/statcall](#) [JobType/statcall](#)

attributes	Name	Type	Use	Default	Fixed
	error	xs:int	required		

## element StatCallType/file

diagram



Named file in filesystem.

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

type extension of **xs:hexBinary**

attributes	Name	Type	Use	Default	Fixed
	name	xs:string	required		

### element **StatCallType/descriptor**

diagram

**descriptor**

Pre-opened descriptor.

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

attributes	Name	Type	Use	Default	Fixed
	number	xs:nonNegativeInteger	required		

### element **StatCallType/temporary**

diagram

**temporary**

Created temporary file.

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

attributes	Name	Type	Use	Default	Fixed
	name	xs:string	required		
	descriptor	xs:integer	required		

### element **StatCallType/fifo**

diagram

**fifo**

Auto-created feedback  
FIFO.

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

attributes	Name	Type	Use	Default	Fixed
	name	xs:string	required		
	descriptor	xs:integer	required		
	count	xs:nonNegativeInteger	optional	0	
	rsize	xs:nonNegativeInteger	optional	0	

wsizexs:nonNegativeInteger optional 0

## element StatCallType/statinfo

diagram

**statinfo**

Kernel inode information.

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

attributes	Name	Type	Use	Default	Fixed
	size	xs:integer	required		
	mode	xs:token	optional		
	inode	xs:integer	optional		
	nlink	xs:nonNegativeInteger	optional		
	blocks	xs:nonNegativeInteger	optional		
	blksize	xs:nonNegativeInteger	optional		
	atime	xs:dateTime	optional		
	mtime	xs:dateTime	optional		
	ctime	xs:dateTime	optional		
	uid	xs:integer	optional		
	user	xs:string	optional		
	gid	xs:integer	optional		
	group	xs:string	optional		

## element StatCallType/data

diagram

**data**

One page of content from temporary files.

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

type extension of **xs:string**

attributes	Name	Type	Use	Default	Fixed
	truncated	xs:boolean	optional		

### simpleType **DottedQuad**

namespace	http://pegasus.isi.edu/schema/invocation				
type	restriction of <b>xs:string</b>				
used by	attribute	<a href="#">invocation/@hostaddr</a>			
facets	minLength	7			
	maxLength	15			
	whiteSpace	collapse			
	pattern	(\d{1,3}\.){3}\d{1,3}			

### simpleType **PositiveDecimal**

namespace	http://pegasus.isi.edu/schema/invocation				
type	restriction of <b>xs:decimal</b>				
used by	attributes	<a href="#">invocation/@duration</a> <a href="#">JobType/@duration</a> <a href="#">MachineLinux/boot/@idle</a> <a href="#">MachineDarwin/load/@min1</a> <a href="#">MachineLinux/load/@min1</a> <a href="#">MachineSunos/load/@min1</a> <a href="#">MachineDarwin/load/@min15</a> <a href="#">MachineLinux/load/@min15</a> <a href="#">MachineSunos/load/@min15</a> <a href="#">MachineDarwin/load/@min5</a> <a href="#">MachineLinux/load/@min5</a> <a href="#">MachineSunos/load/@min5</a>			
facets	minInclusive	0			

### simpleType **ResourceValue**

namespace	http://pegasus.isi.edu/schema/invocation				
type	restriction of <b>xs:string</b>				
used by	elements	<a href="#">invocation/resource/hard</a> <a href="#">invocation/resource/soft</a>			
facets	pattern	(unlimited d+)			

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