

Docet

Un sistema di gestione dell'hardware

Webit

Dashboard per controllo farms GRID

Workshop CCR, Acireale Maggio 2010

Webit

Dashboard per controllo farms GRID

WebIT è una dashboard per la visualizzazione di pagine web provenienti da differenti fonti/siti nella stessa pagina del browser.

Le principali caratteristiche della dashboard sono:

- Le pagine sono caricate all'interno di finestre.
- Supporto TabView all'interno di finestre
- Le finestre sono ridimensionabili
- Le finestre sono spostabili tra i vari tab
- Il tempo di aggiornamento è modificabile
- L'aggiornamento può essere avviato o fermato
- Le impostazioni sulle finestre vengono salvate per future visite

WebIT è sviluppato in PHP e javascript/AJAX (YUI Library & prototype)

Summary | dCache | LSF | Job Dashboard | Phedex | HLR | Misc

Cms Site Status Board

Site Name	SiteComm JR	Commissioned Links (expand this column)	Site availability	SiteReadiness Status	Maintenance in SAM	Good links (expand this column)	IsSiteInSiteDB?
T2_IT_Legnaro	100% (300)	combined	100%		n/a	combined	true

Last Update: May 13, 2010, 4:08:00 pm

Update Freq. 600 sec

Job Robot Site Status

SITE NAME	SUBMITTED	ABORTED	ERRORS	SUCCESS	EFFICIENCY
400	0	0	400	100 %	

Last Update: May 13, 2010, 4:08:21 pm

Update Freq. 600 sec

Availability

Sitename	Service Type	Service Name	basic	sft-job	analysis	prod	mc	frontier	squid	swinst	get-pfn-from-tfc	lcg-cp
T2_IT_Legnaro	CE	t2-ce-01.lnl.infn.it	ok	ok	ok	ok	ok	ok	ok	ok		
		t2-ce-02.lnl.infn.it	ok	ok	ok	ok	ok	ok	ok	ok		
		t2-ce-03.lnl.infn.it	ok	ok	ok	ok	ok	ok	ok	ok		
		t2-ce-04.lnl.infn.it	ok	ok	ok	ok	ok	ok	ok	ok		
	SRMv2	t2-srm-02.lnl.infn.it									ok	ok

Last Update: May 13, 2010, 4:08:00 pm

Update Freq. 600 sec

Gstat Site Status

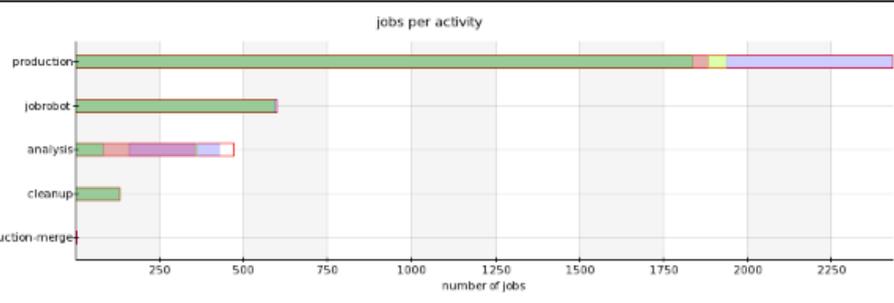
GStat 2.0 [INFN-LNL-2](#) Status: OK

Last Update: May 13, 2010, 4:08:00 pm

Update Freq. 600 sec

Dashboard Jobload

jobs per activity

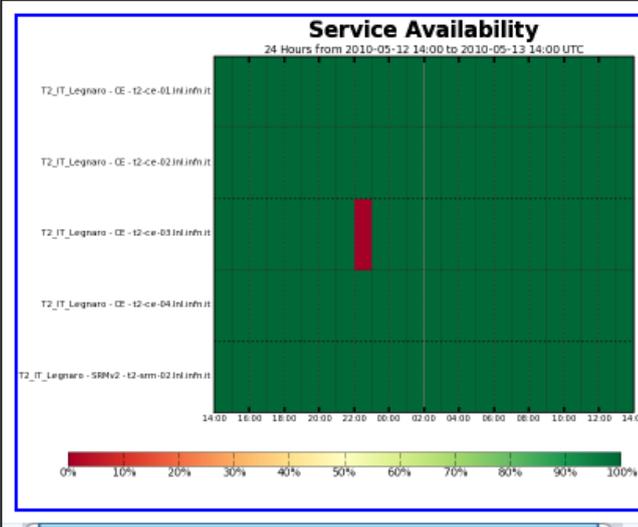


Last Update: May 13, 2010, 4:08:00 pm

Update Freq. 600 sec

Service Availability

Service Availability
24 Hours from 2010-05-12 14:00 to 2010-05-13 14:00 UTC



Last Update: May 13, 2010, 4:08:00 pm

Update Freq. 600 sec

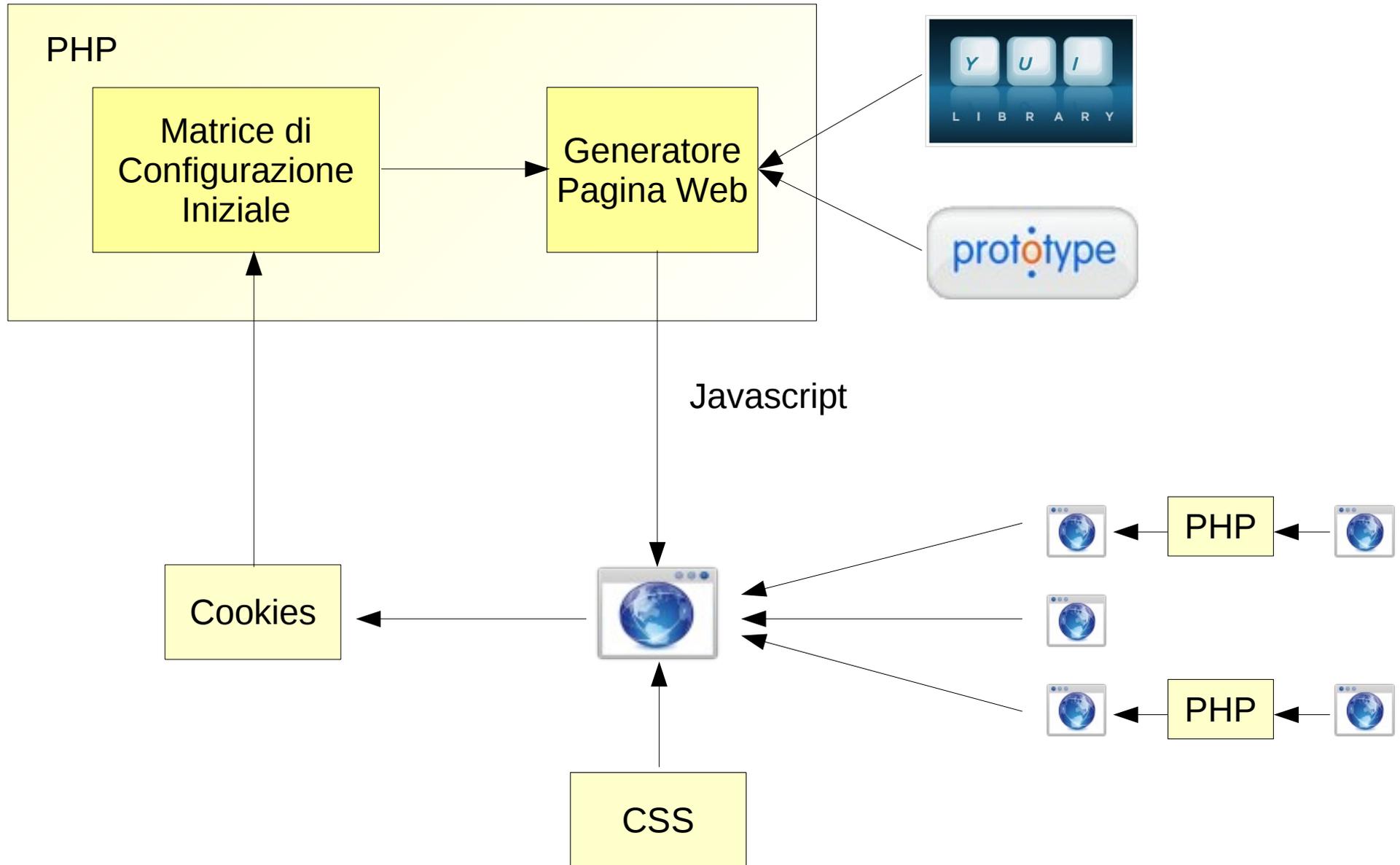
YUI Library

YUI Library è un set di utilities e controlli, scritti in JavaScript e CSS, per costruire applicazioni web altamente interattive usando tecniche come DOM scripting, DHTML e AJAX. YUI è disponibile sotto una licenza BSD ed è free per tutti gli utenti.

YUI è affidabile, scalabile, veloce, e robusto. E' costruito da ingegneri di Yahoo! e contributori da tutto il mondo.

Prototype

Prototype è un Framework Javascript che rende semplice lo sviluppo di applicazioni web dinamiche.



Summary
dCache
LSF
Job Dashboard
Phedex
HLR
Misc

Job Robot Site Status

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400	0	0	400	100 %	

Last Update: May 13, 2010, 4:08:21 pm

Update Freq. 600 sec

Gstat Site Status

GStat 2.0 [INFN-LNL-2](#) Status: OK

Last Update: May 13, 2010, 4:08:00 pm

Update Freq. 600 sec

Availability

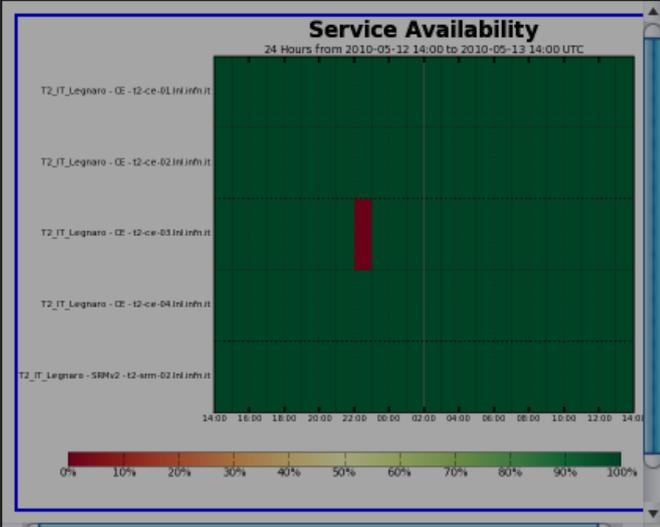
Sitename	Service Type	Service Name	basic	sft-job	analysis	prod	mc	frontier	squid	swinst	get-pfn-from-tfc	lcg-cp
T2_IT_Legnaro	CE	t2-ce-01.lnl.infn.it	ok	ok	ok	ok	ok	ok	ok	ok		
		t2-ce-02.lnl.infn.it	ok	ok	ok	ok	ok	ok	ok	ok		
		t2-ce-03.lnl.infn.it	ok	ok	ok	ok	ok	ok	ok	ok		
		t2-ce-04.lnl.infn.it	ok	ok	ok	ok	ok	ok	ok	ok		
	SRMv2	t2-srm-02.lnl.infn.it									ok	ok

Last Update: May 13, 2010, 4:08:00 pm

Update Freq. 600 sec

Service Availability

Service Availability
24 Hours from 2010-05-12 14:00 to 2010-05-13 14:00 UTC



Last Update: May 13, 2010, 4:08:00 pm

Update Freq. 600 sec

Dashboard Jobload

jobs per activity



Last Update: May 13, 2010, 4:08:00 pm

Update Freq. 600 sec

Summary | dCache | LSF | Job Dashboard | Phedex | HLR | Misc

Cms Site Status Board

Site Name: T2_IT_Legnaro | SiteComm_JR: 100% (500) | Commissioned Links (expand this column): combined | Site availability: | Site Resources: | Status: combined

Last Update: May 13, 2010, 4:08:00 pm

Update Freq. 600 sec

Job Robot Site Status

SUBMITTED	ABORTED	ERRORS	SUCCESS	EFFICIENCY
0	400	100 %		

Last Update: May 13, 2010, 4:08:00 pm

Update Freq. 600 sec

Service Availability

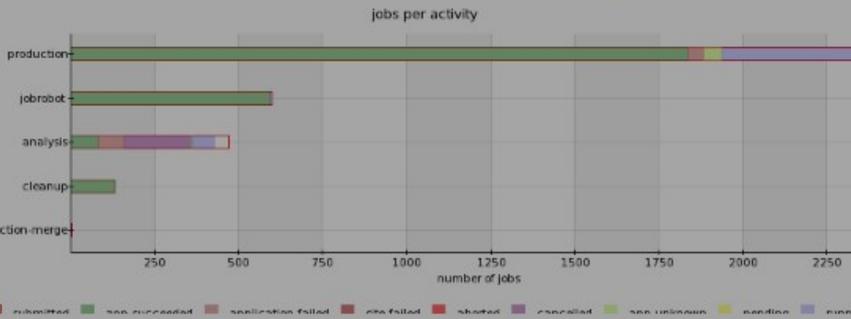
Service Status: OK

Last Update: May 13, 2010, 4:08:00 pm

Update Freq. 600 sec

Dashboard Jobload

jobs per activity

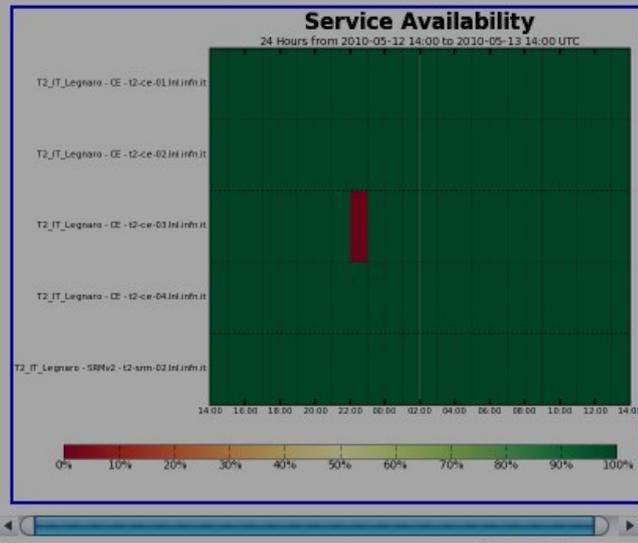


Last Update: May 13, 2010, 4:08:00 pm

Update Freq. 600 sec

Service Availability (Time Series)

24 Hours from 2010-05-12 14:00 to 2010-05-13 14:00 UTC



Last Update: May 13, 2010, 4:08:00 pm

Update Freq. 600 sec

Summary | dCache | LSF | Job Dashboard | Phedex | HLR | Misc

Cms Site Status Board

Site Name	SiteComm JR	Commissioned Links <small>(expand this column)</small>	Site availability	SiteReadiness Status	Maintenance in SAM	Good links <small>(expand this column)</small>	IsSiteInSiteDB?
T2_IT_Legnaro	100% (699)	combined	100%	R	n/a	combined	true

Last Update: May 15, 2010, 4:18:00 pm

Update Freq. 600 sec

Availability
Refresh ALL

Dashboard Jobload

jobs per activity



SITE NAME SUB

300

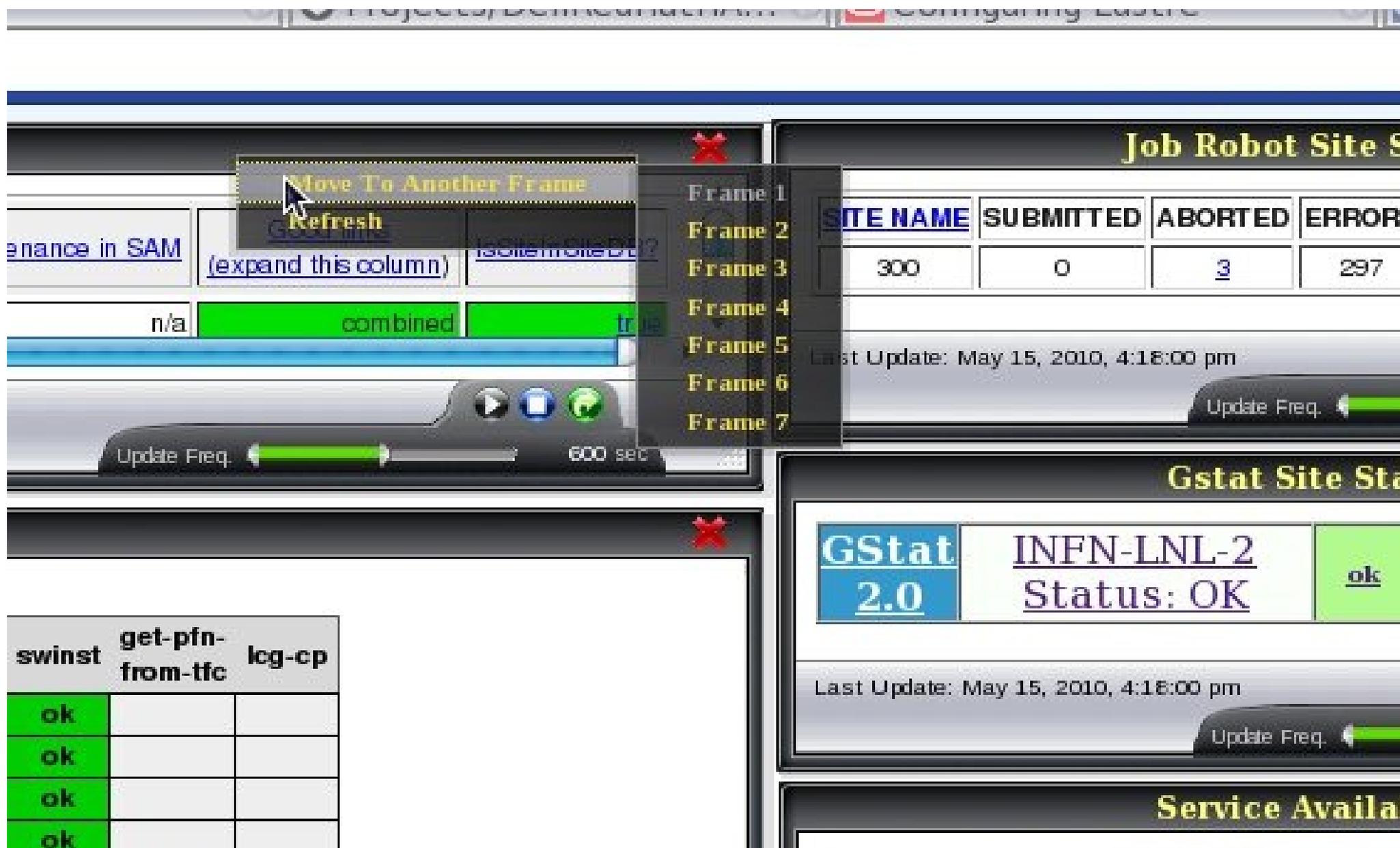
Last Update: May 15

GStat II S

2.0

Last Update: May 15

T2_IT_Legnaro - OE - 12-cc



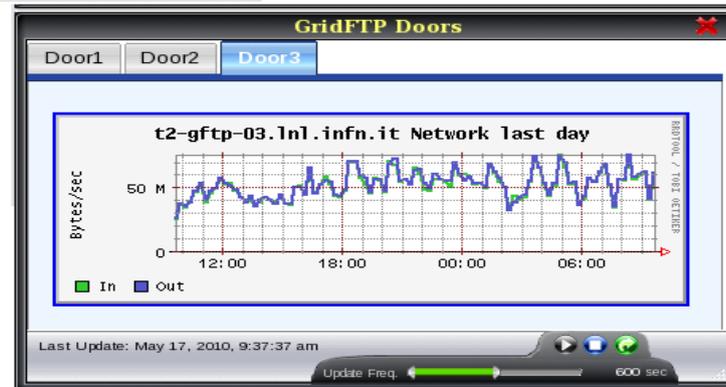
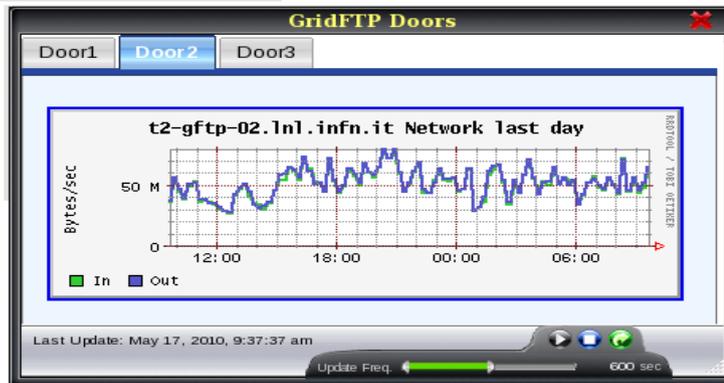
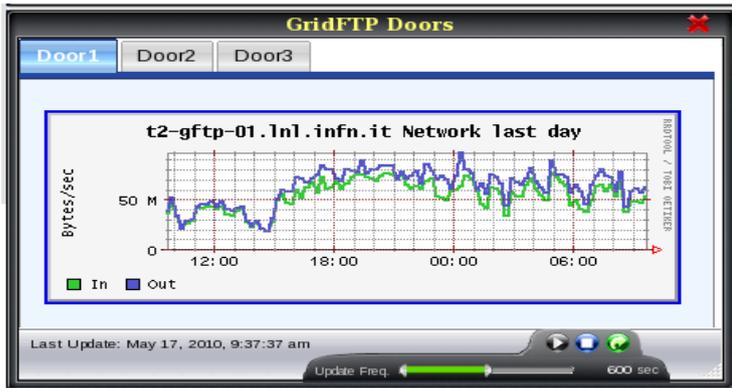
The screenshot displays a web-based monitoring interface with several panels:

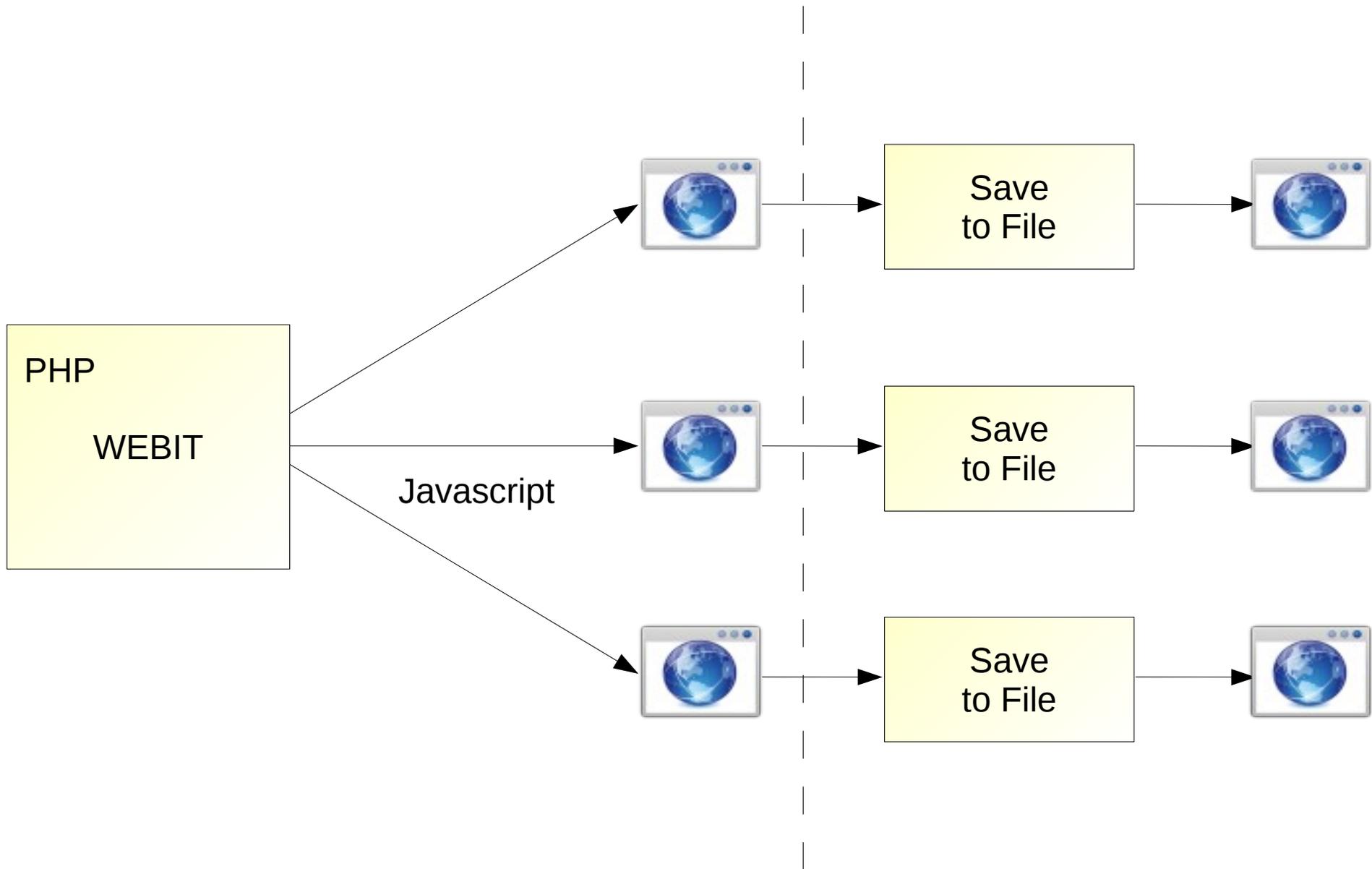
- Job Robot Site S:** A table showing site statistics.

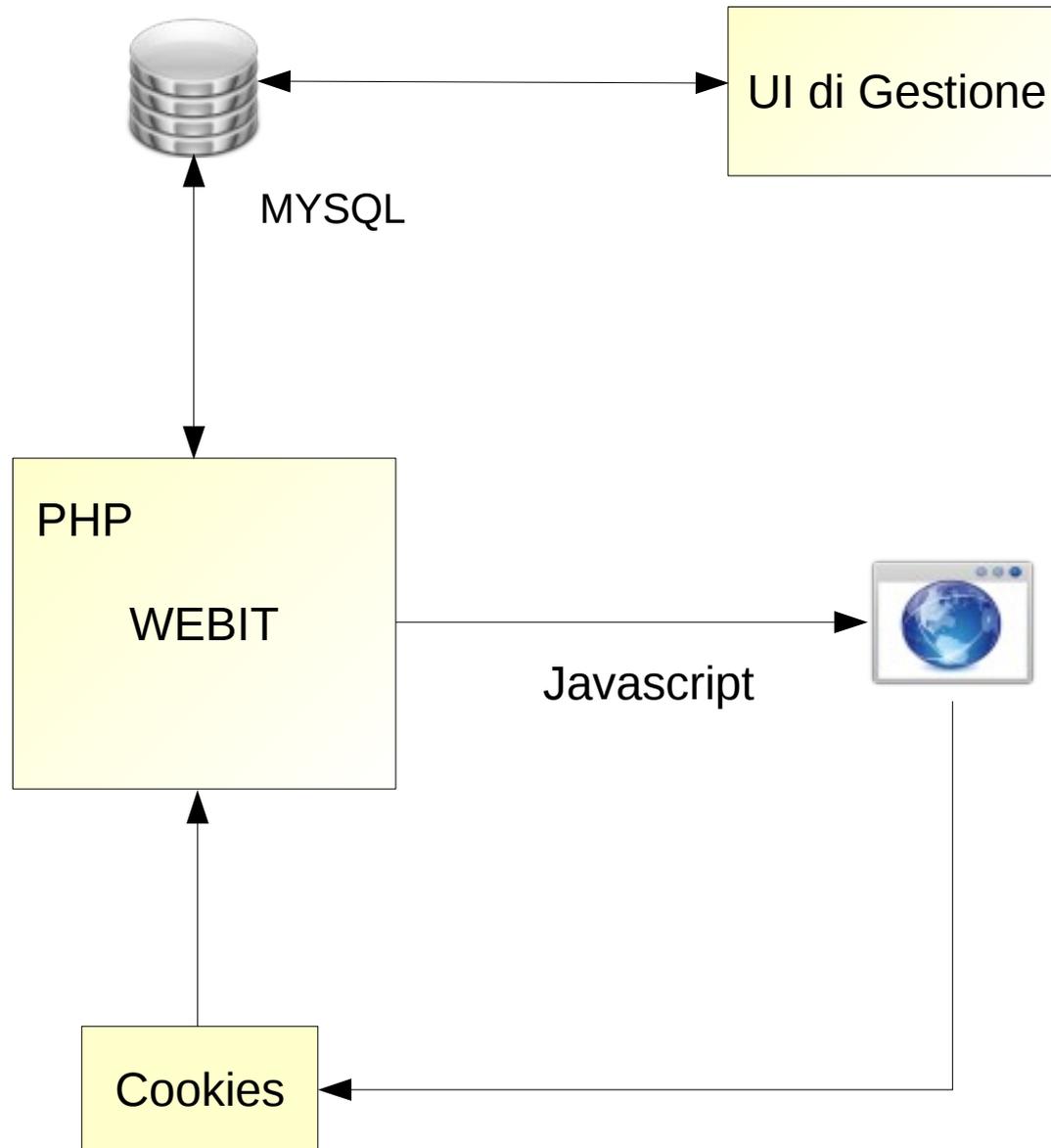
SITE NAME	SUBMITTED	ABORTED	ERROR
300	0	3	297

 Below the table, it shows "Last Update: May 15, 2010, 4:18:00 pm" and an "Update Freq." slider.
- Gstat Site Sta:** A status panel for "GStat 2.0" showing "INFN-LNL-2 Status: OK" with an "ok" indicator. It also shows "Last Update: May 15, 2010, 4:18:00 pm" and an "Update Freq." slider.
- Service Availa:** A partially visible panel at the bottom right.
- Frame Menu:** A dropdown menu listing "Frame 1" through "Frame 7".
- Context Menu:** A "Move To Another Frame" context menu is open over a "Refresh" button.
- Table:** A table with columns "swinst", "get-pfn-from-tfc", and "lcg-cp".

swinst	get-pfn-from-tfc	lcg-cp
ok		
- Update Freq. Slider:** A slider set to "600 sec" is visible at the bottom left.







Docet

Un sistema di gestione dell'hardware

Nelle varie sezioni e laboratori il numero di computers e apparati di rete da amministrare è diventato sempre più grande.

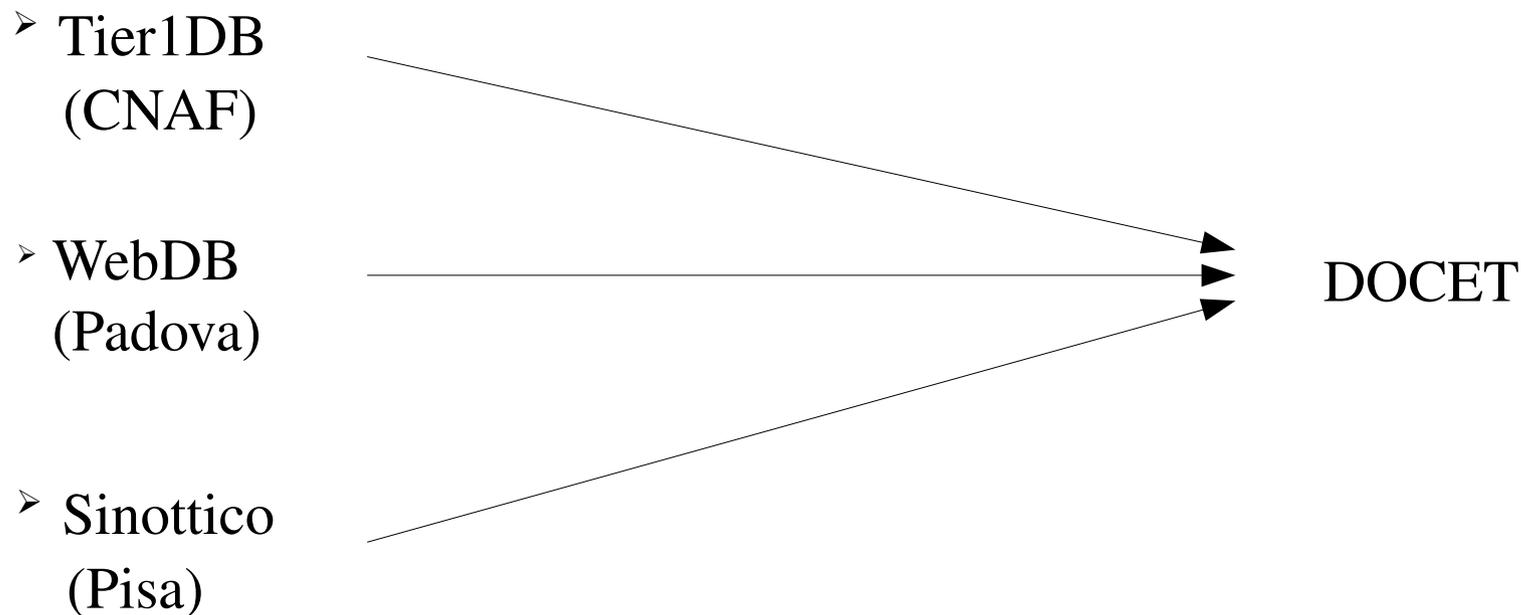
Di conseguenza per il loro mantenimento si deve gestire un numero elevato di informazioni.

- Informazioni amministrative (fornitori, assistenze, numeri telefonici)
- Configurazioni hardware
- Configurazione software
- Locazione fisica
- Interconnessioni di rete
- Connessione elettrica

DOCET (Data Oriented Centre Tool) è un sistema pensato per la gestione di informazioni dell'hardware.

Le informazioni vengono poi utilizzate per la configurazione dei vari servizi di sito (DHCP, Network Switch, ecc.).

All'interno dell'INFN esistevano già varie esperienze e progetti volti alla gestione delle macchine di calcolo.



E' stato creato un gruppo di lavoro per la stesura della struttura del database.

La struttura doveva considerare tutte le esigenze delle varie sezioni partendo da quanto già utilizzato.

Al gruppo hanno partecipato:

Alberto Ciampa (INFN Pisa)

Alberto Crescente (INFN Padova)

Barbara Martelli (CNAF)

Antonella Monducci (INFN Bologna)

Hanno contribuito:

Claudio Bisegni (INFN Frascati), Michele Gulmini (INFN Legnaro)

Dalle riunioni sono emerse le seguenti decisioni:

- L'applicazione deve utilizzare un database server noto
- Deve essere accessibile tramite un semplice browser
- Il linguaggio di sviluppo deve essere Java
- Le informazioni obbligatorie deve essere limitato
- La gestione delle informazioni deve essere modulare, con la possibilità di utilizzare solo determinati moduli
- Devono essere gestite tutti i tipi di dispositivi informatici: server, stampanti, notebook, blade, twin, oscilloscopi, dispositivi con IP
- Devono essere gestite le macchine virtuali
- Deve essere possibile inserire valori mancanti nelle maschere senza dover interrompere l'inserimento corrente

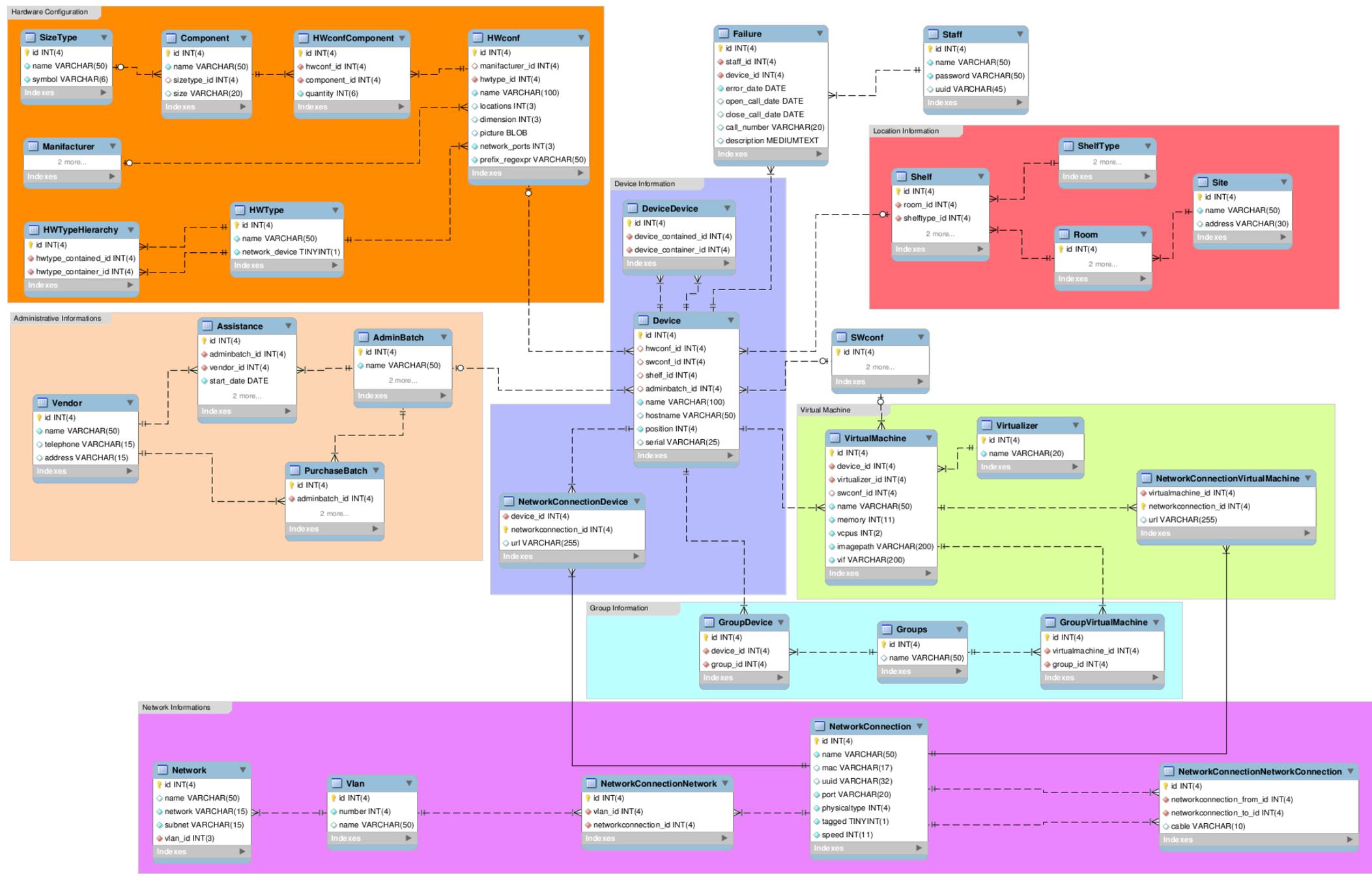
A) Quali sono le informazioni fondamentali che rappresentano un oggetto hardware?

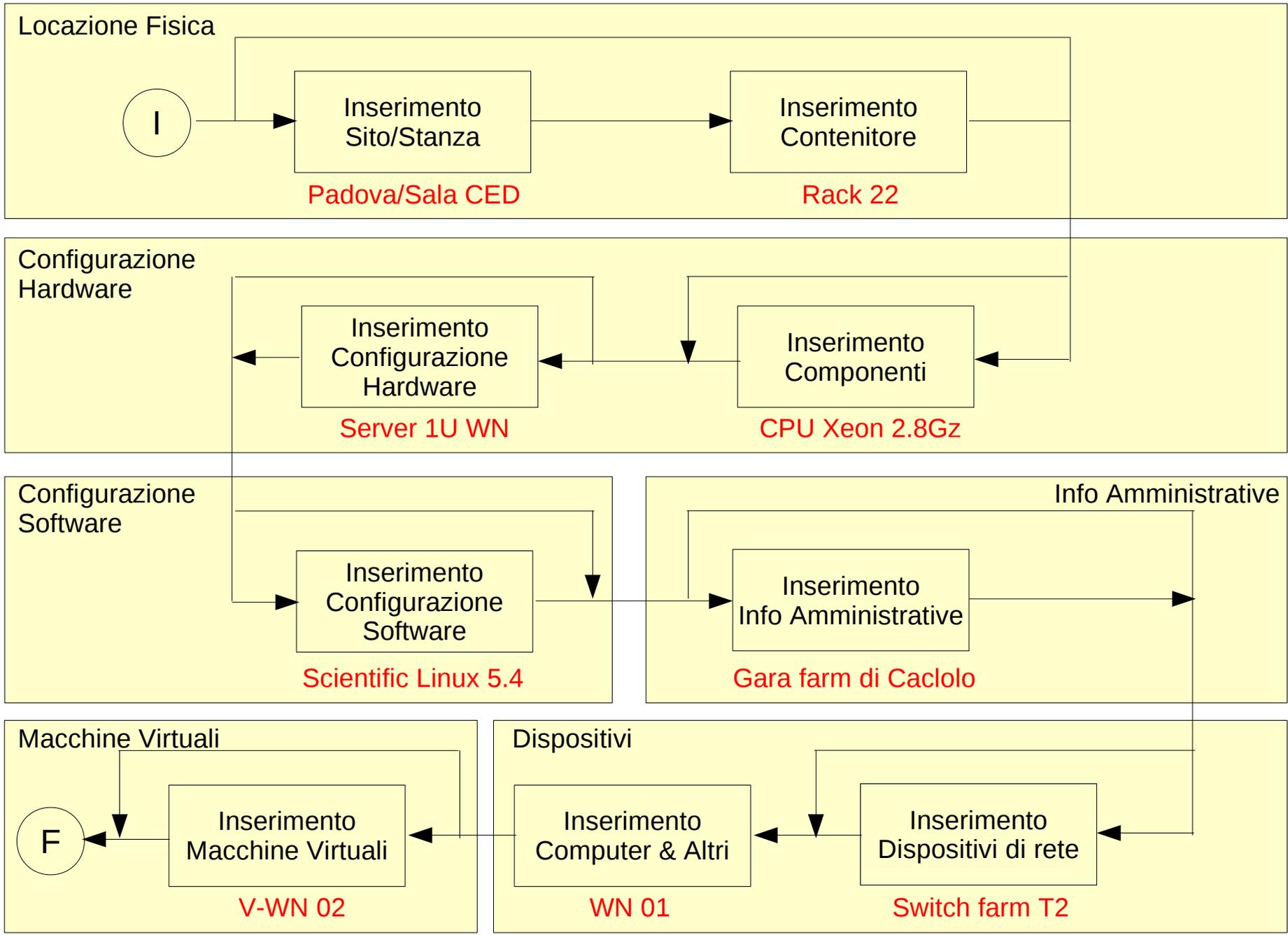
B) Quali sono le informazioni che “legano” tra di loro i vari oggetti hardware?

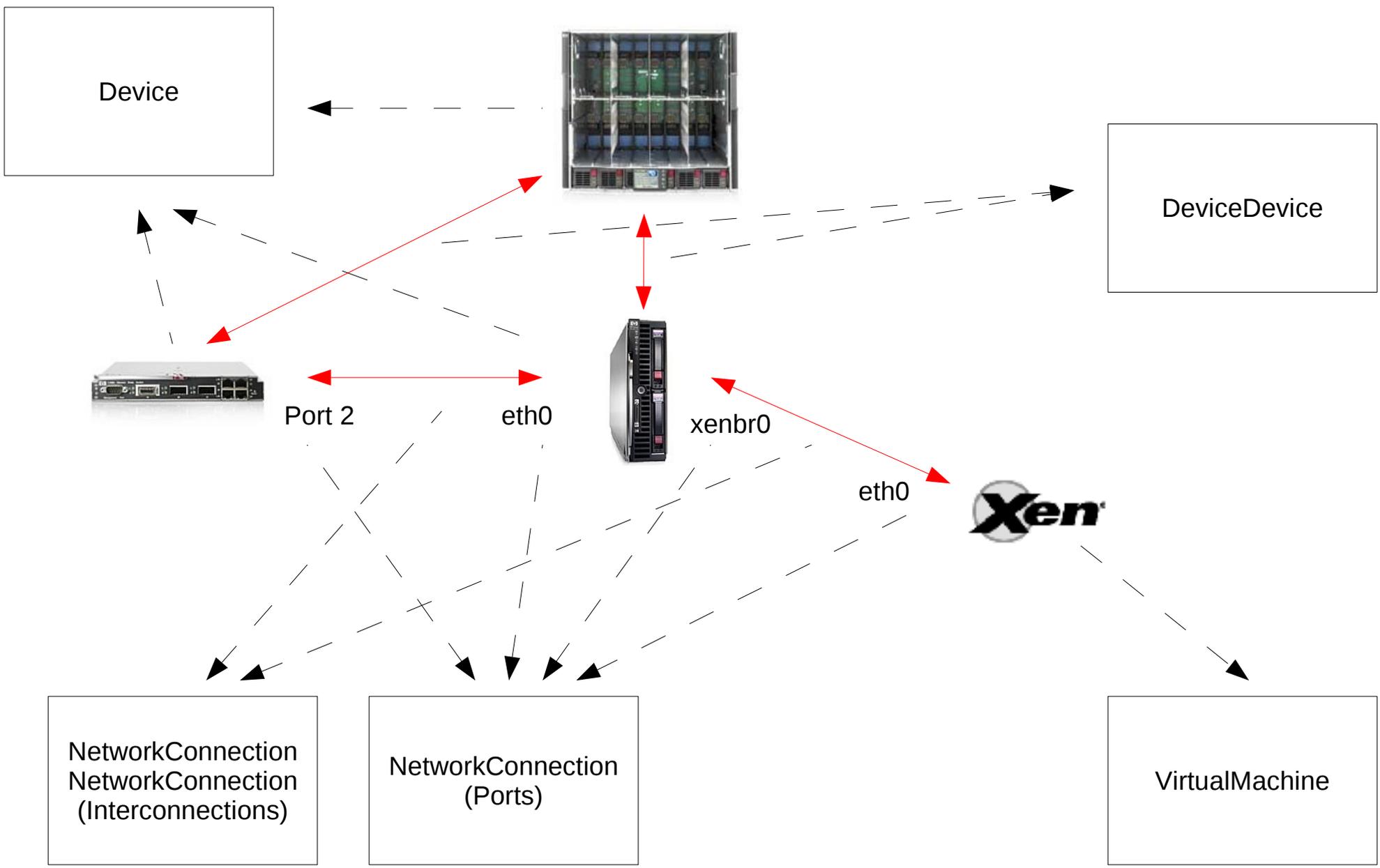


A) Il nome, il contenitore (fisico o virtuale), la locazione fisica (stanza, enclosure), la configurazione hardware

B) Le interconnessioni di rete, connessioni fiber channel (,la distribuzione elettrica), relazioni di contenimento tra dispositivi







Per l'implementazione software si è deciso di utilizzare una Java Web Application a più livelli.

Struttura a 3 livelli: Data tier, Logic tier e Presentation tier

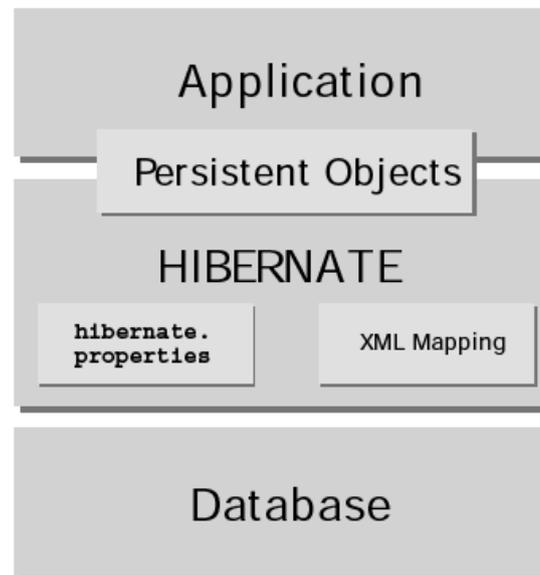
Data tier: Hibernate/MySQL

Logic tier: Java

Presentation: Vaadin (Ajax)



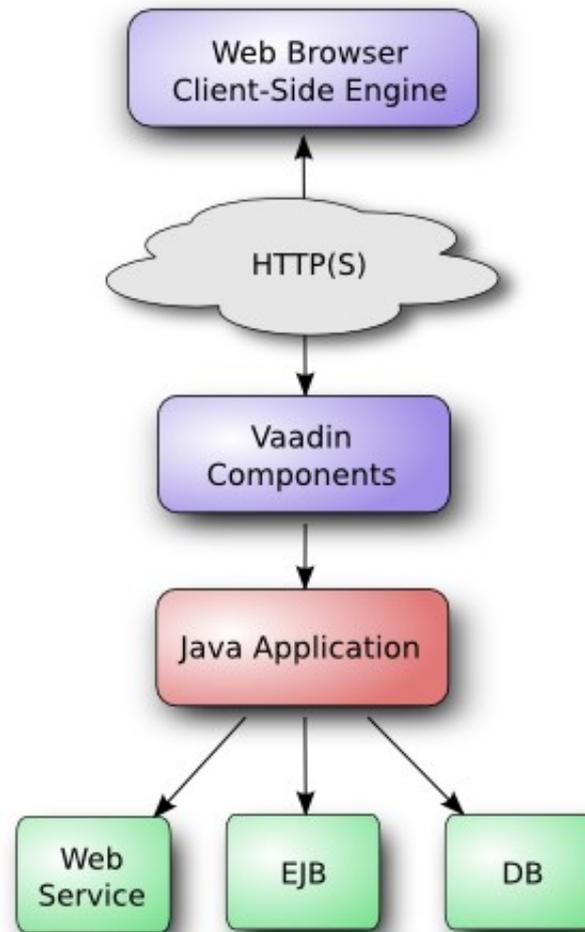
Hibernate è una piattaforma middleware open source per lo sviluppo di applicazioni Java che fornisce un servizio di Object-relational mapping (ORM), ovvero che gestisce la rappresentazione e il mantenimento su database relazionale di un sistema di oggetti Java.



Principali caratteristiche Hibernate:

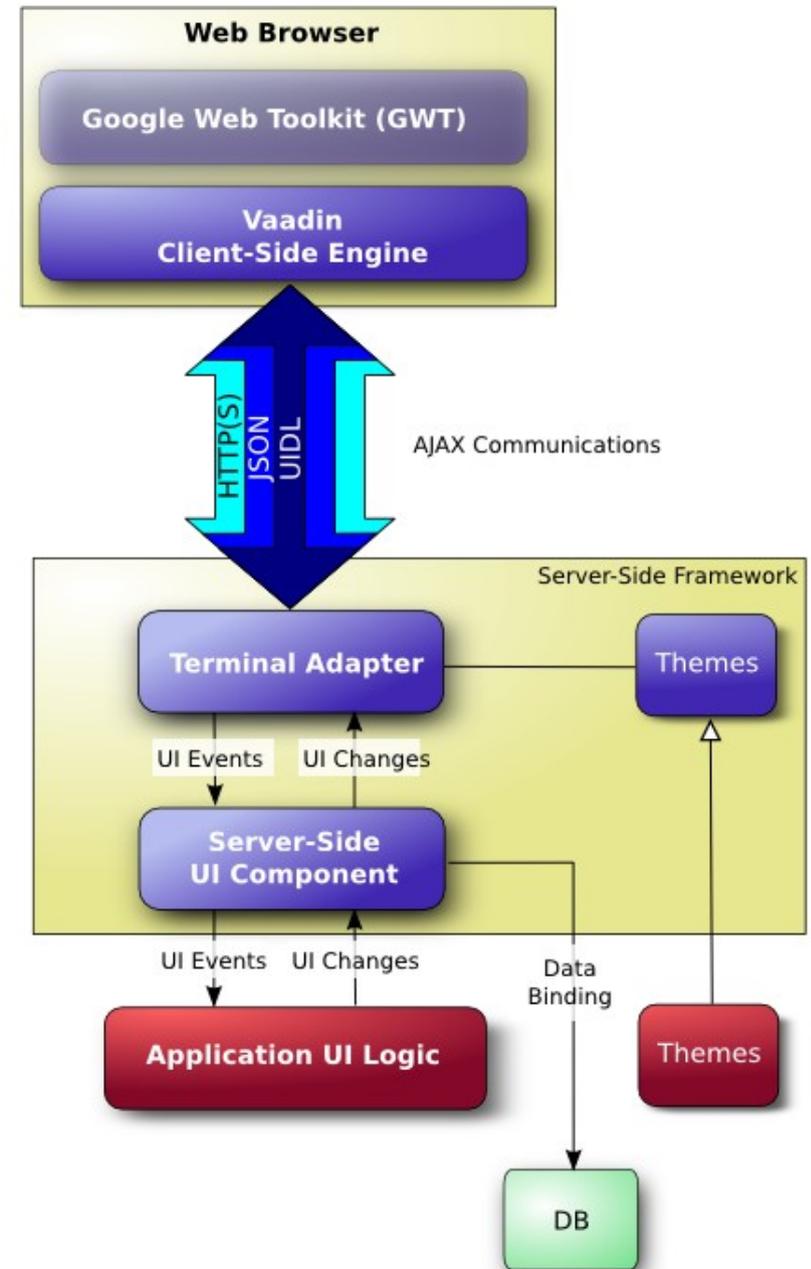
- Transparent persistence
- JavaBeans style properties are persisted
- Constraint transparency
- Native SQL queries
- Object-oriented query language (HQL)
- Three different O/R mapping strategies
- Simple Core API
- Automatic primary key generation (support for composite keys)
- XML mapping documents, Human-readable format, XDoclet support
- HDLCA (Hibernate Dual-Layer Cache Architecture)
- Ultra-high performance (Lazy initialization, Highly scalable architecture)
- J2EE integration (JMX support, Integration with J2EE)
- Programmatic or XML based system configuration
- Support for a wide range of databases
- Free software

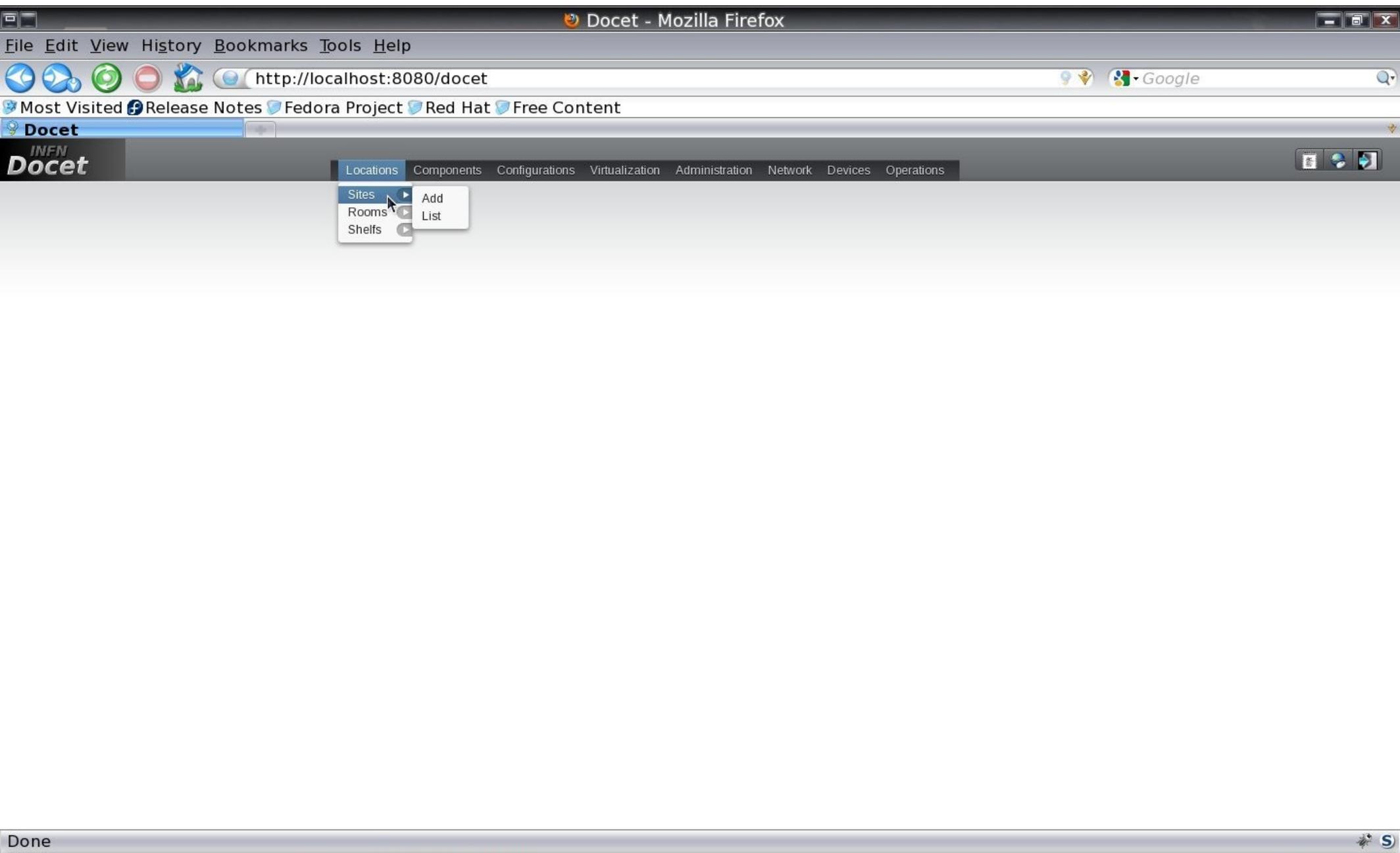
Vaadin è un Framework Java per costruire moderne pagine web dal bell'aspetto, ben performanti, basato su javascript/AJAX



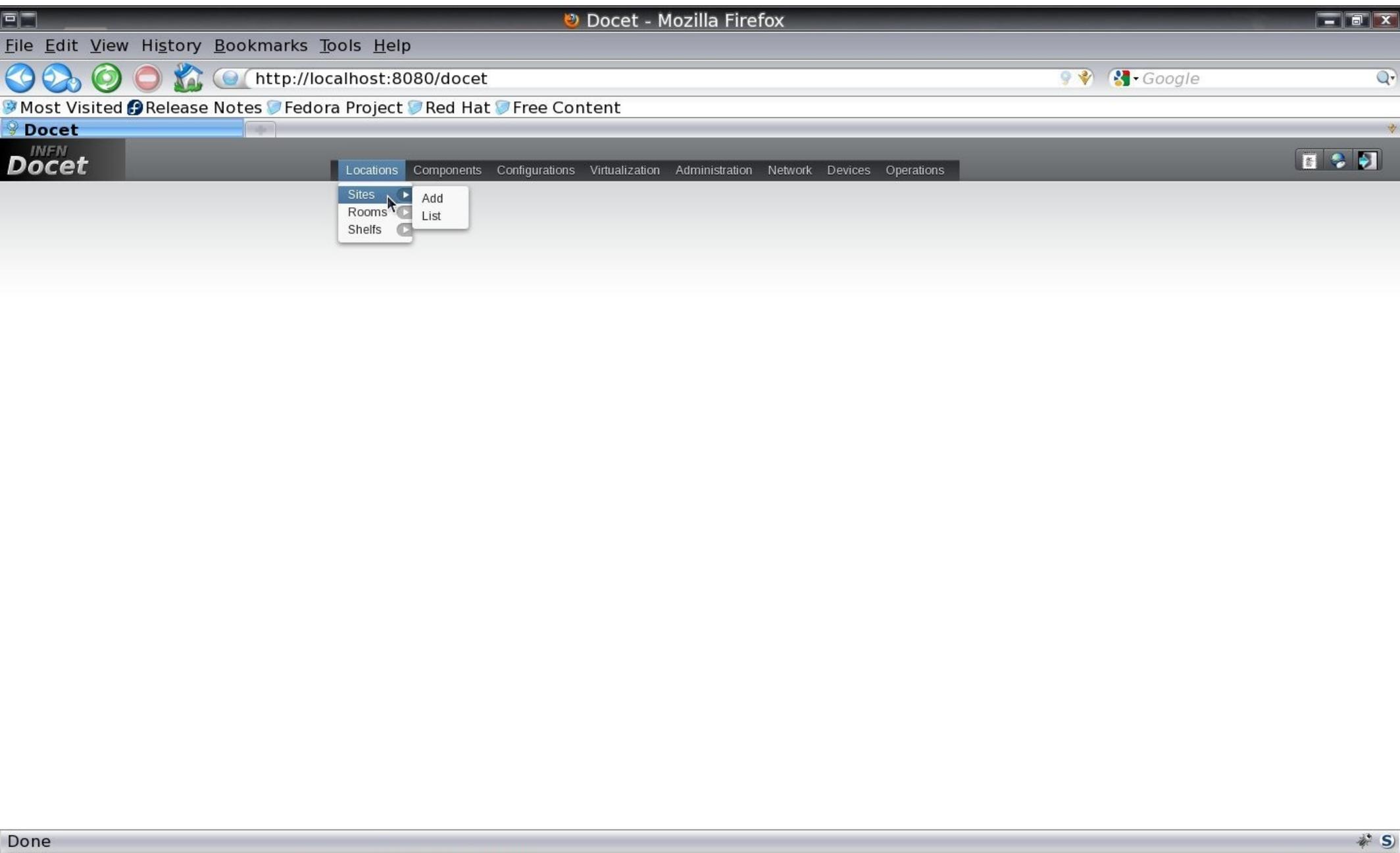
Caratteristiche principali:

- 1) dozzine di componenti disponibili
- 2) MVC data binding
- 3) Componenti con style CSS
- 4) Supporto temi customizzati
- 5) Accesso a singola page web
- 6) Non necessita di plugins nel browser
- 7) No conoscenza di javascript
- 8) Server-side application state management
- 9) Integrazione con Eclipse tramite plugins
- 10) Standard web application (WAR) structure
- 11) Browser supportati: Internet Explorer, Firefox, Safari , Opera, Google Chrome
- 12) Sistemi operativi supportati: Windows MAC OSX, Linux, other Unix

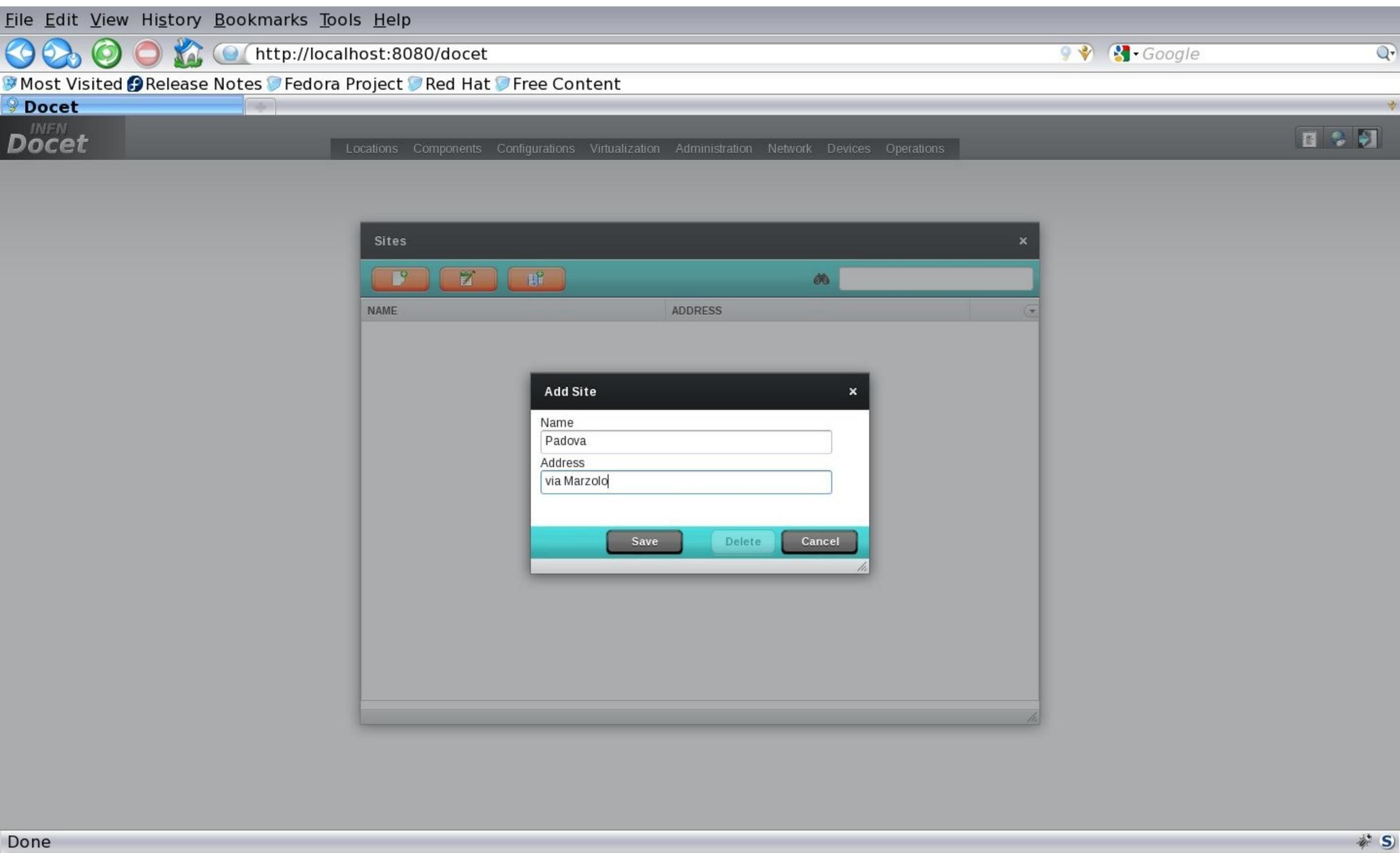




The screenshot shows a Mozilla Firefox browser window displaying the Docet web application. The browser's address bar shows the URL `http://localhost:8080/docet`. The application's navigation menu includes: Locations, Components, Configurations, Virtualization, Administration, Network, Devices, and Operations. A dropdown menu is open under 'Locations', showing 'Sites', 'Rooms', and 'Shelves'. The 'Sites' option is selected, and a sub-menu is visible with 'Add' and 'List' options. The status bar at the bottom of the browser displays 'Done'.



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File Edit View History Bookmarks Tools Help

http://localhost:8080/docet

Most Visited Release Notes Fedora Project Red Hat Free Content

Docet

Locations Components Configurations Virtualization Administration Network Devices Operations

Sites

NAME	ADDRESS
------	---------

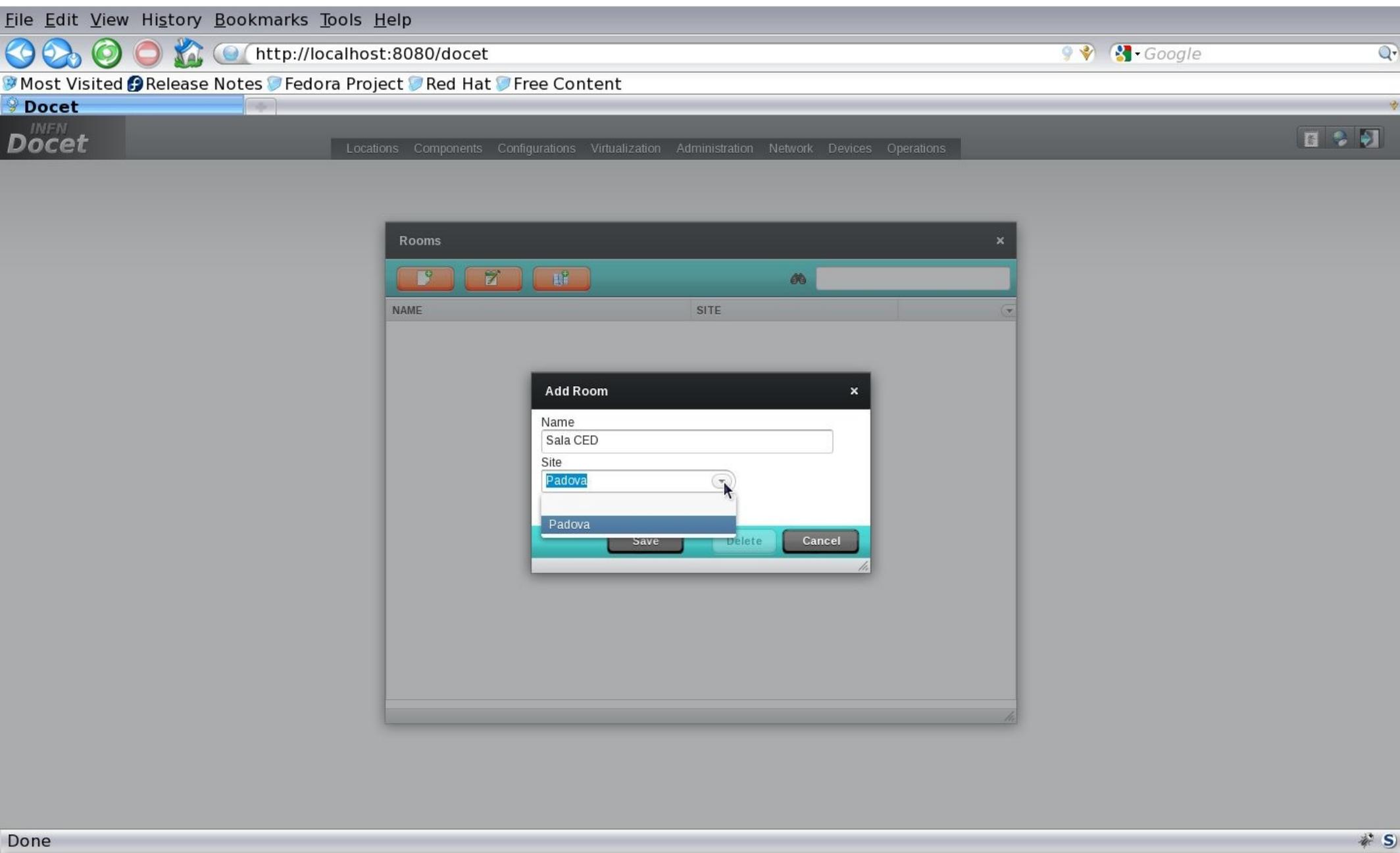
Add Site

Name
Padova

Address
via Marzolo

Save Delete Cancel

Done



File Edit View History Bookmarks Tools Help

http://localhost:8080/docet

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Docet

Locations Components Configurations Virtualization Administration Network Devices Operations

Rooms

NAME	SITE
------	------

Add Room

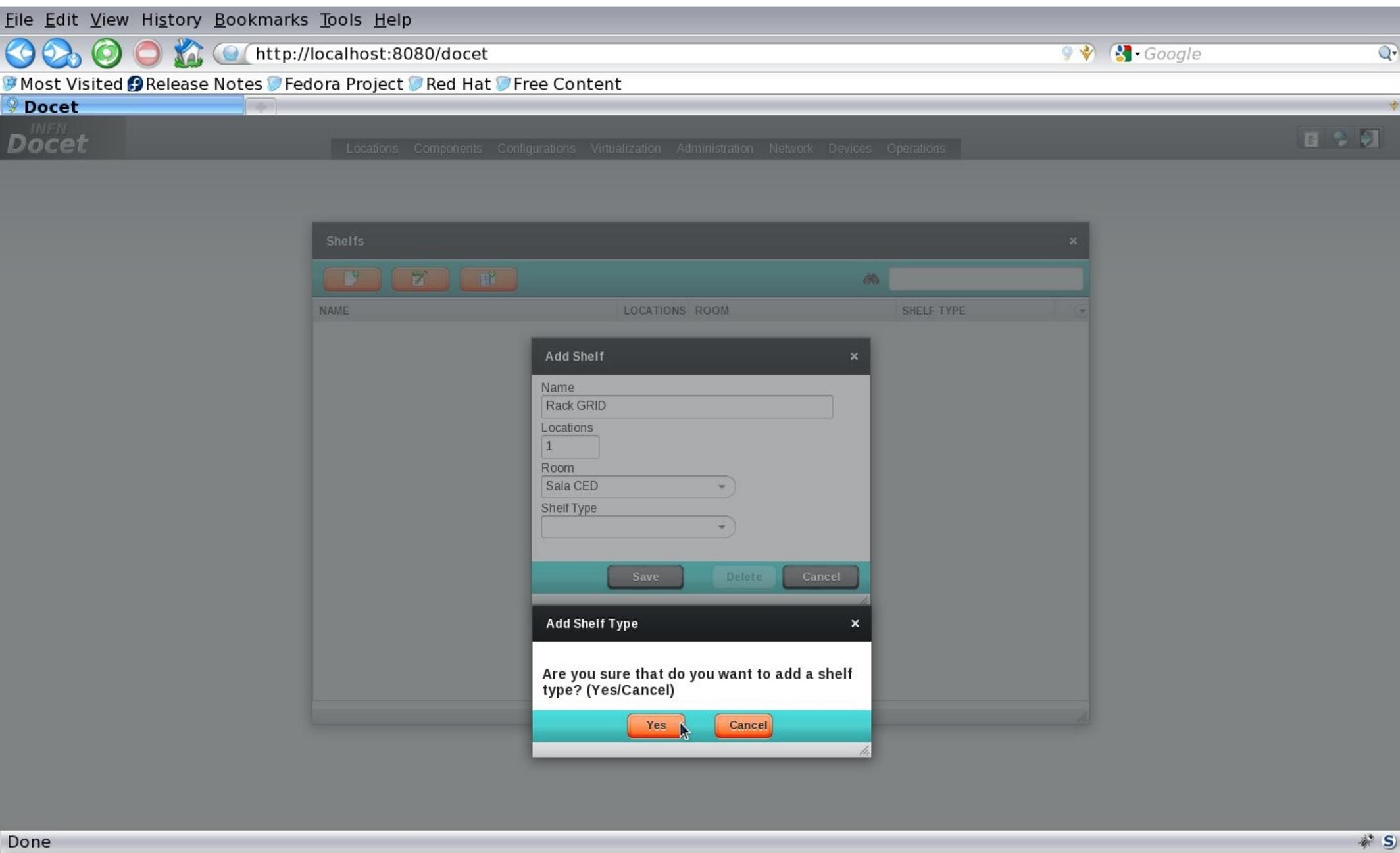
Name
Sala CED

Site
Padova

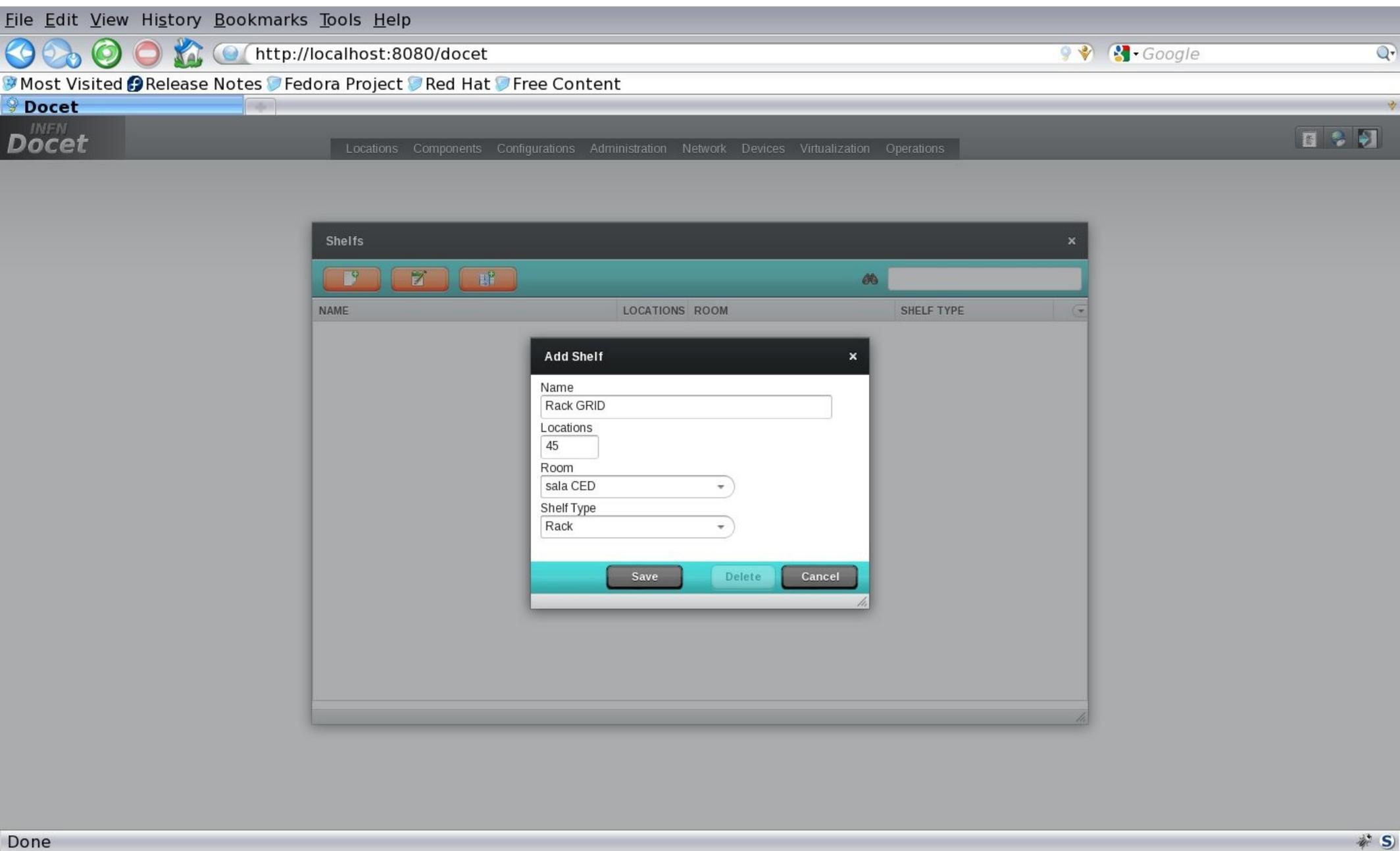
Padova

Save Delete Cancel

Done



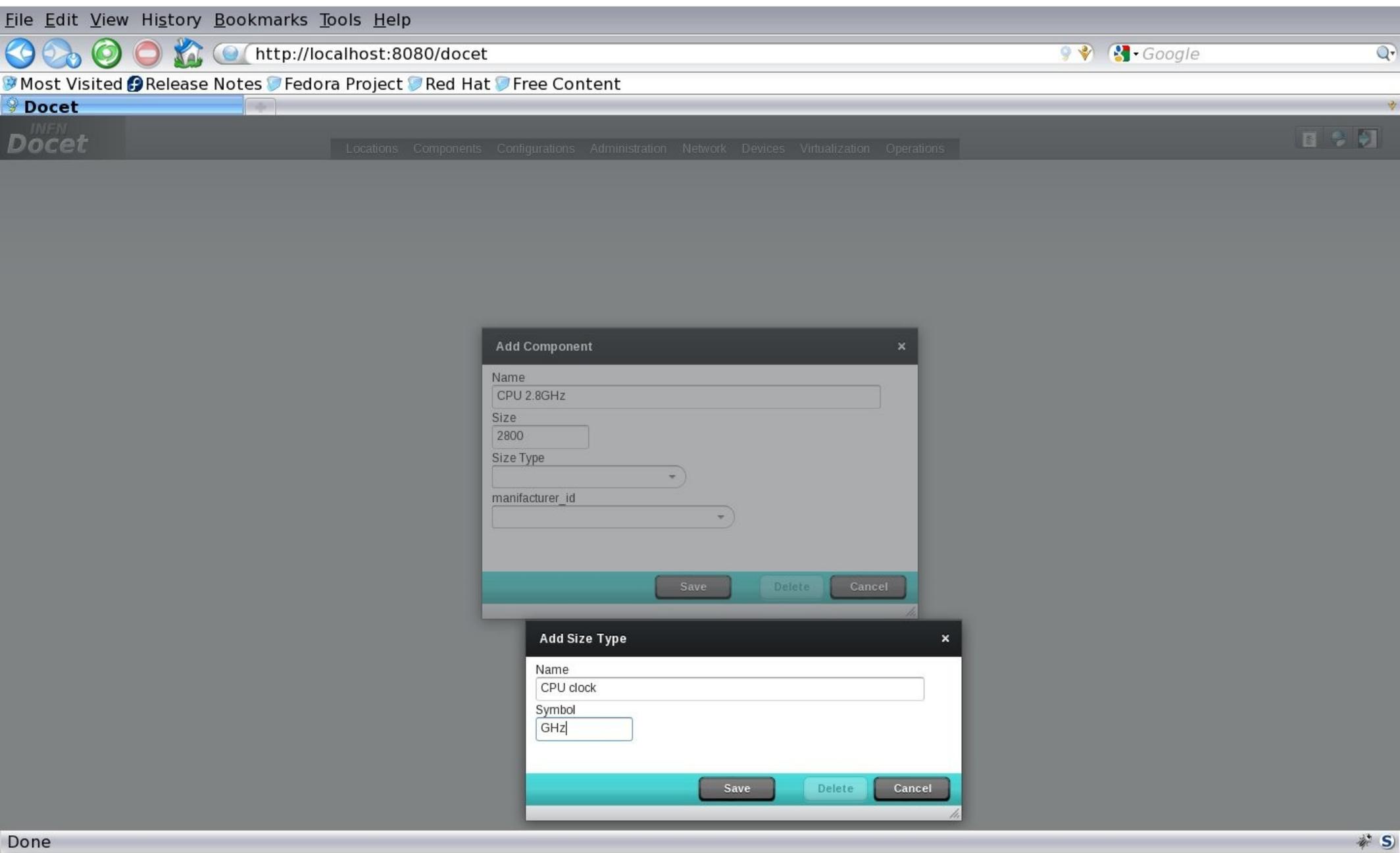
The screenshot shows a web browser window displaying the Docet application. The browser's address bar shows the URL `http://localhost:8080/docet`. The application's navigation menu includes 'Locations', 'Components', 'Configurations', 'Virtualization', 'Administration', 'Network', 'Devices', and 'Operations'. The main content area displays a 'Shelfs' table with columns for 'NAME', 'LOCATIONS', 'ROOM', and 'SHELF TYPE'. Two modal dialogs are open: 'Add Shelf' and 'Add Shelf Type'. The 'Add Shelf' dialog contains the following fields: 'Name' (Rack GRID), 'Locations' (1), 'Room' (Sala CED), and 'Shelf Type'. The 'Add Shelf Type' dialog asks: 'Are you sure that do you want to add a shelf type? (Yes/Cancel)'. The 'Done' status is visible at the bottom left of the browser window.



The screenshot shows a web browser window displaying the Docet application. The browser's address bar shows the URL `http://localhost:8080/docet`. The application's navigation menu includes: Locations, Components, Configurations, Administration, Network, Devices, Virtualization, and Operations. The main content area displays a 'Shelves' window with a table header containing columns for NAME, LOCATIONS, ROOM, and SHELF TYPE. An 'Add Shelf' dialog box is open, containing the following fields:

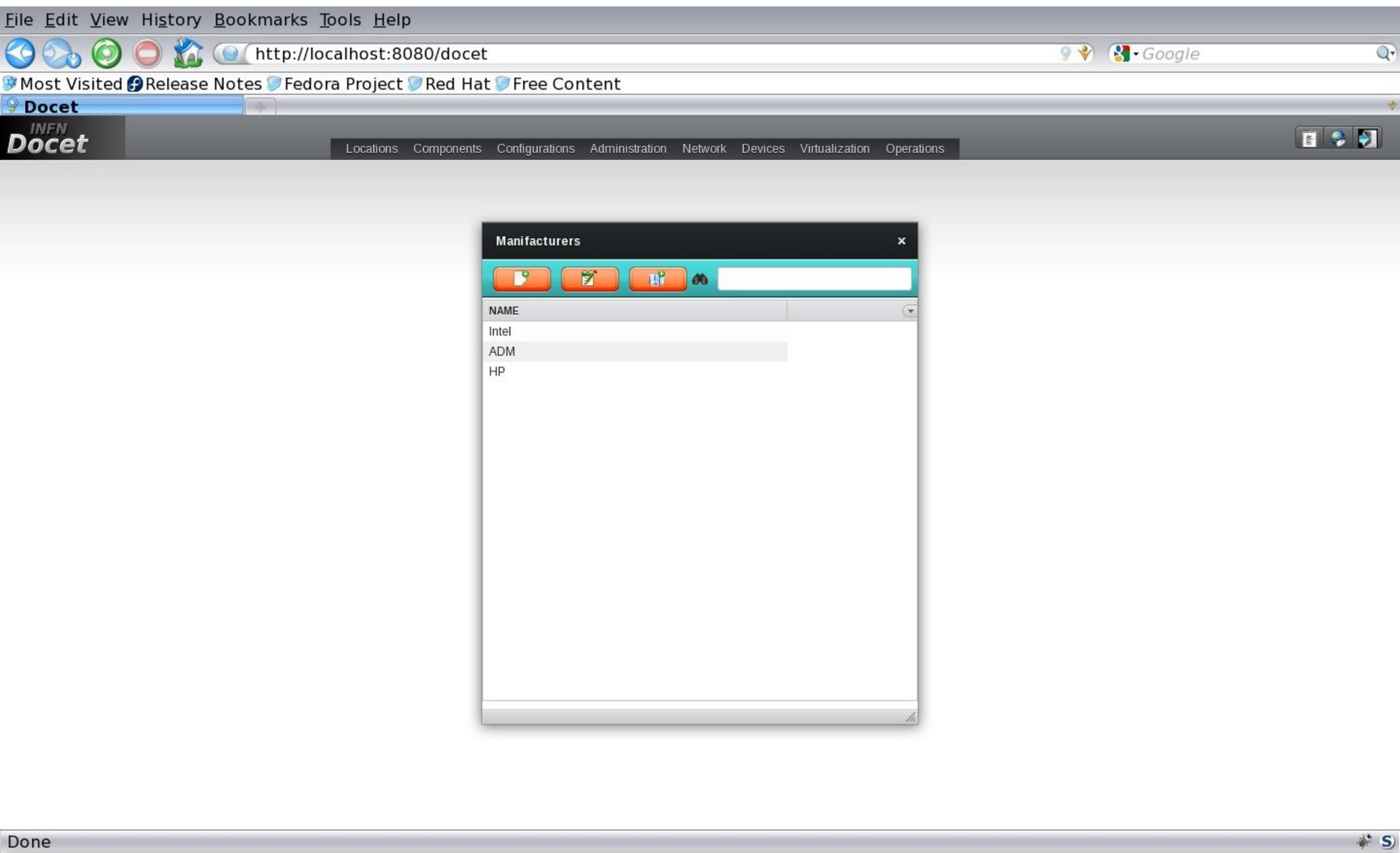
- Name: Rack GRID
- Locations: 45
- Room: sala CED
- Shelf Type: Rack

At the bottom of the dialog box are three buttons: Save, Delete, and Cancel.



The screenshot shows a web browser window displaying the Docet application. The browser's address bar shows the URL `http://localhost:8080/docet`. The application's navigation menu includes: Locations, Components, Configurations, Administration, Network, Devices, Virtualization, and Operations. Two dialog boxes are open:

- Add Component**:
 - Name: CPU 2.8GHz
 - Size: 2800
 - Size Type: (dropdown menu)
 - manufacturer_id: (dropdown menu)
 - Buttons: Save, Delete, Cancel
- Add Size Type**:
 - Name: CPU clock
 - Symbol: GHz
 - Buttons: Save, Delete, Cancel



File Edit View History Bookmarks Tools Help

http://localhost:8080/docet

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Docet

INFN Docet

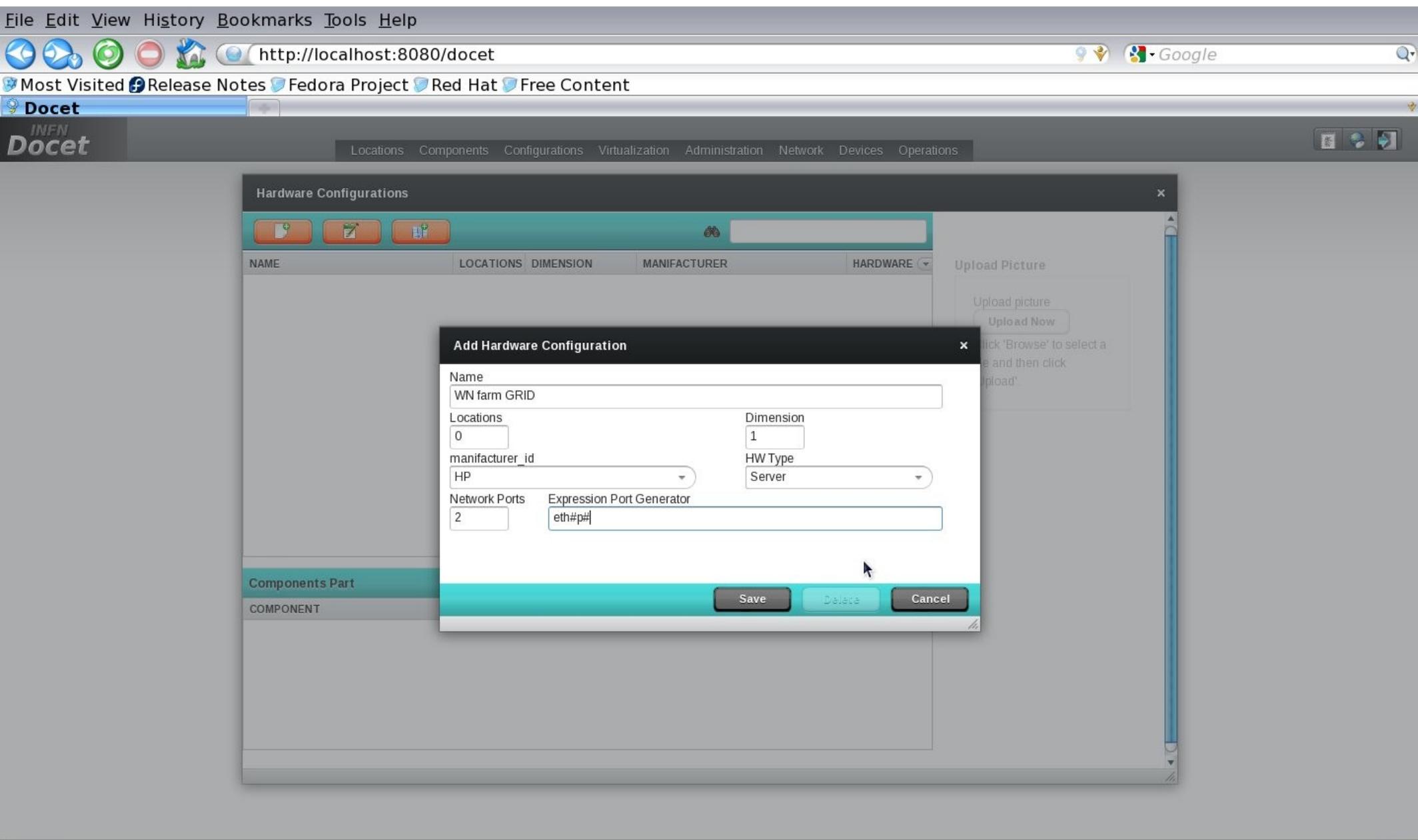
Locations Components Configurations Administration Network Devices Virtualization Operations

Manufacturers

NAME

Intel
ADM
HP

Done



The screenshot shows a web browser window with the URL `http://localhost:8080/docet`. The browser's address bar contains the URL, and the page title is "Docet". The browser's navigation bar includes "File", "Edit", "View", "History", "Bookmarks", "Tools", and "Help". The browser's search bar contains "Google". The browser's navigation bar also includes "Most Visited", "Release Notes", "Fedora Project", "Red Hat", and "Free Content".

The Docet application interface is visible, showing a navigation menu with "Locations", "Components", "Configurations", "Virtualization", "Administration", "Network", "Devices", and "Operations". The "Hardware Configurations" window is open, displaying a table with columns "NAME", "LOCATIONS", "DIMENSION", "MANUFACTURER", and "HARDWARE".

The "Add Hardware Configuration" dialog box is open, showing the following fields:

- Name: WN farm GRID
- Locations: 0
- Dimension: 1
- manufacturer_id: HP
- HW Type: Server
- Network Ports: 2
- Expression Port Generator: eth#p#

The dialog box has "Save", "Delete", and "Cancel" buttons at the bottom.

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http://localhost:8080/docet

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Docet

Locations Components Configurations Virtualization Administration Network Devices Operations

Hardware Configurations

NAME	LOCATIONS	DIMENSION	MANUFACTURER	HARDWARE
WN farm GRID	0	1	HP	Server

Components Part

COMPONENT	QUANTITY
CPU 2.8GHZ	1

Upload Picture

Upload picture

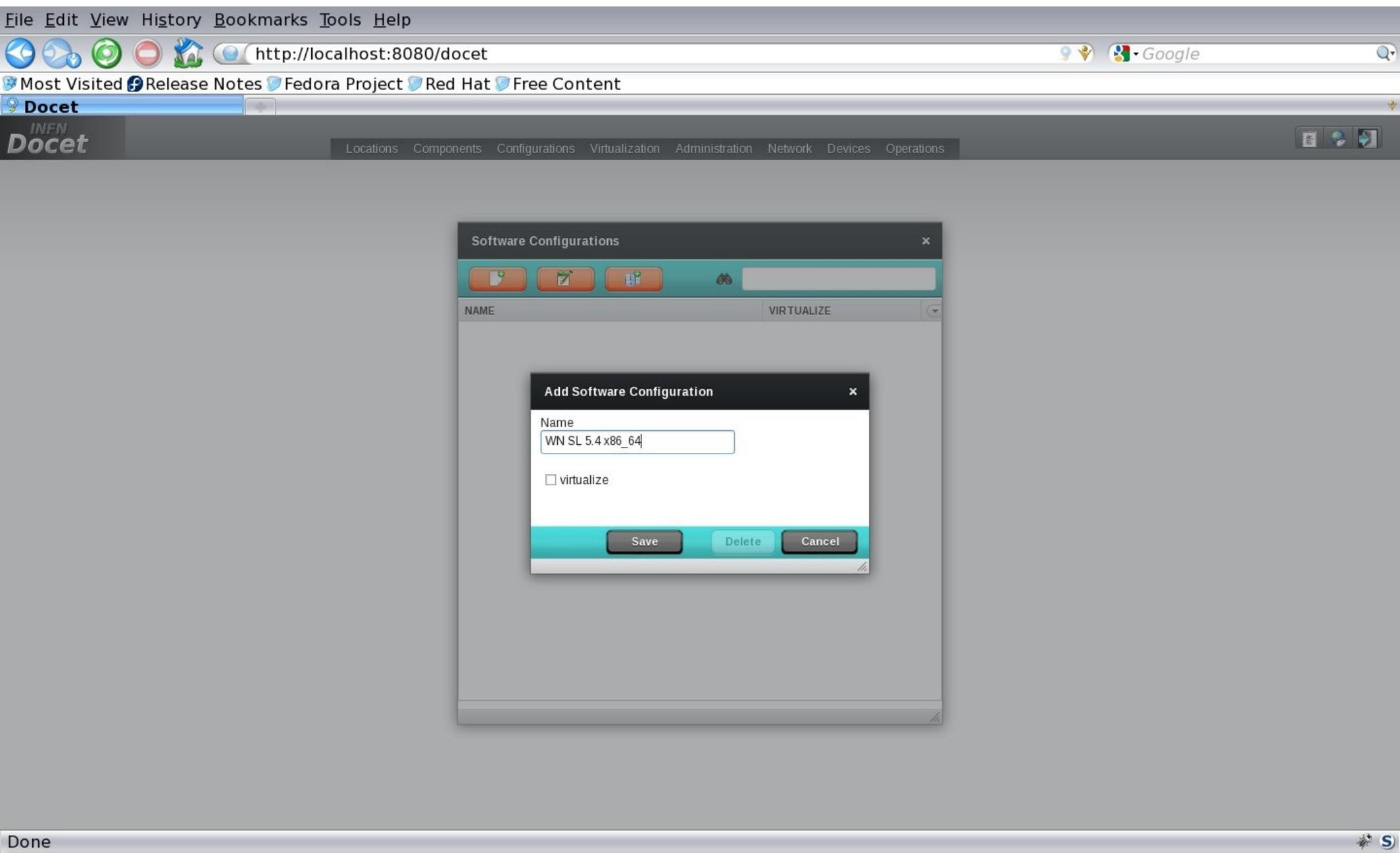
Upload Now

Click 'Browse' to select a file and then click 'Upload'.

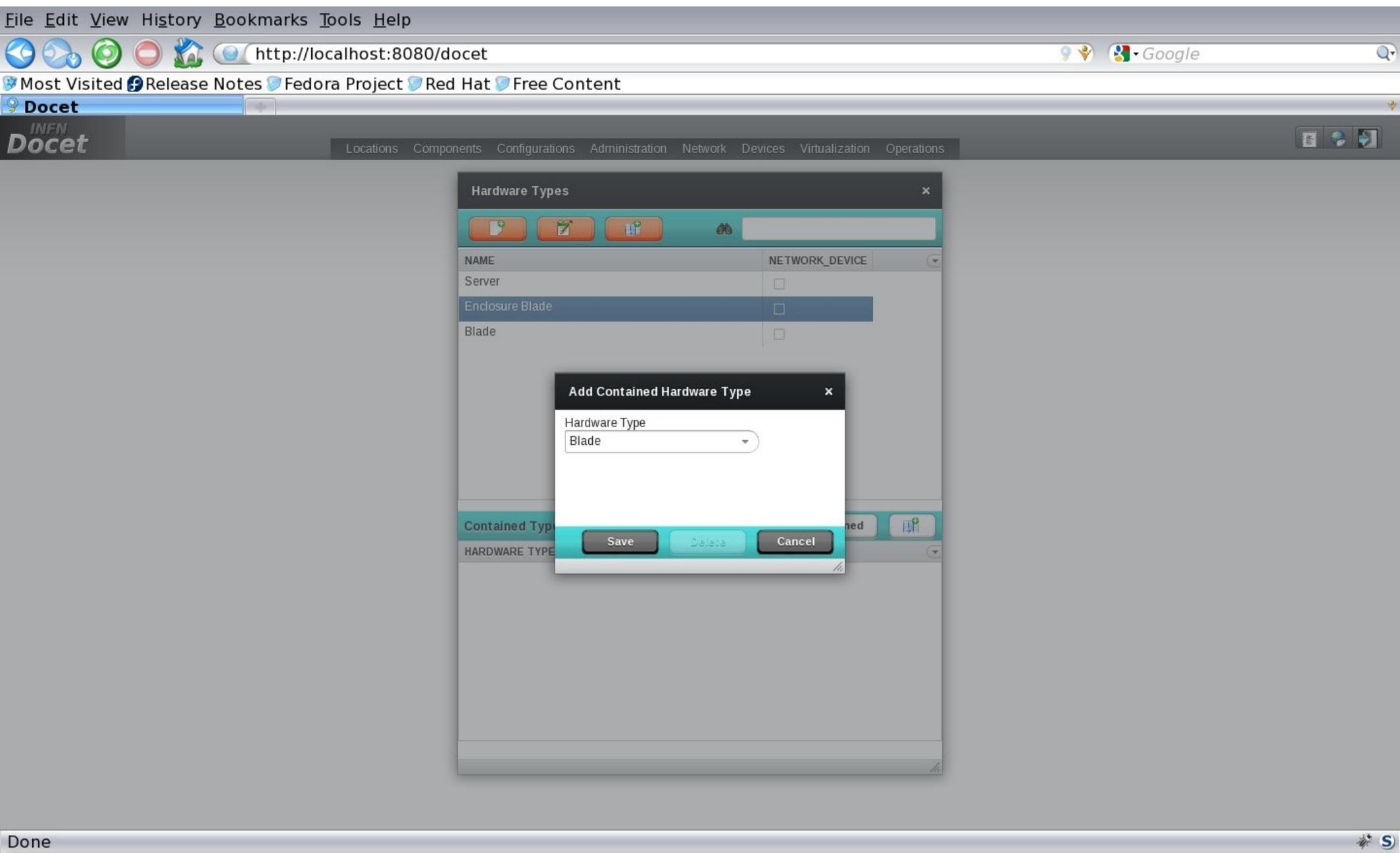
File blade.jpg of type 'image/jpeg' uploaded.



Done



The screenshot shows a web browser window displaying the Docet application. The browser's address bar shows the URL `http://localhost:8080/docet`. The Docet application interface includes a navigation menu with items like 'Locations', 'Components', 'Configurations', 'Virtualization', 'Administration', 'Network', 'Devices', and 'Operations'. A 'Software Configurations' dialog box is open, containing a table with columns 'NAME' and 'VIRTUALIZE'. Overlaid on this is an 'Add Software Configuration' sub-dialog box with a 'Name' input field containing the text 'WN SL 5.4 x86_64' and an unchecked checkbox labeled 'virtualize'. At the bottom of the sub-dialog are 'Save', 'Delete', and 'Cancel' buttons. The browser's status bar at the bottom left shows 'Done'.



File Edit View History Bookmarks Tools Help

http://localhost:8080/docet

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Docet

Locations Components Configurations Administration Network Devices Virtualization Operations

Hardware Types

NAME	NETWORK_DEVICE
Server	<input type="checkbox"/>
Enclosure Blade	<input type="checkbox"/>
Blade	<input type="checkbox"/>

Add Contained Hardware Type

Hardware Type
Blade

Save Delete Cancel

Done

File Edit View History Bookmarks Tools Help

http://localhost:8080/docet

Most Visited Release Notes Fedora Project Red Hat Free Content

Docet

Locations Components Configurations Administration Network Devices Virtualization Operations

Hardware Types

NAME	NETWORK_DEVICE
Server	<input type="checkbox"/>
Enclosure Blade	<input type="checkbox"/>
Blade	<input type="checkbox"/>
Blade Switch	<input type="checkbox"/>

Contained Types Link Contained

HARDWARE TYPE CONTAINED
Blade
Blade Switch

Done

File Edit View History Bookmarks Tools Help

http://localhost:8080/docet

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Docet

Administrative Informations

NAME	BUY DATE	PRICE
Gara farm T2	2010-05-18 00:00	50000

Edit Administrative Information

Name
Gara farm T2

Buy Date
18/05/10

Price
50000a

Save canceled! Set a valid price number.

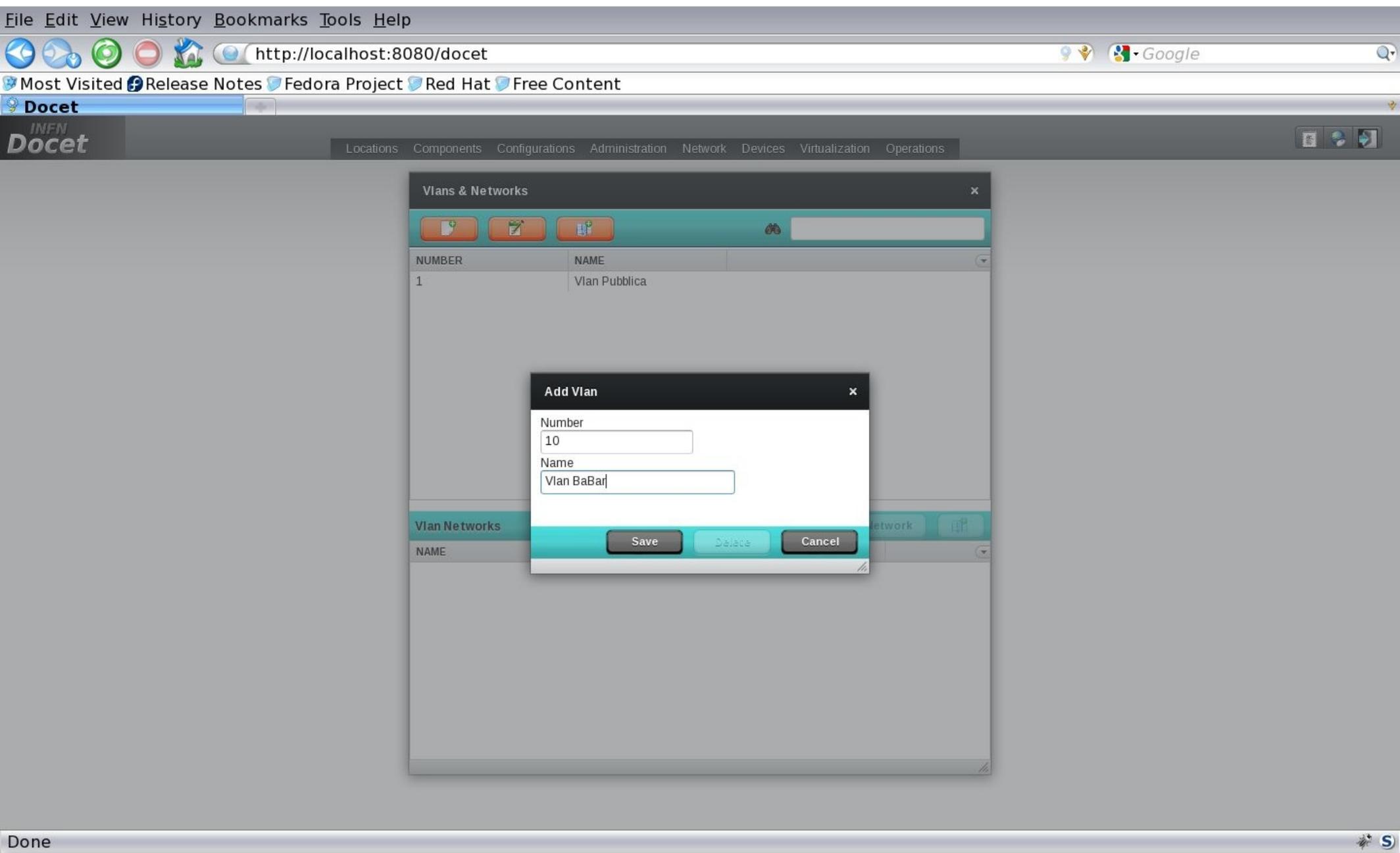
Purchase Batches

VENDOR

Assistances List

VENDOR	START DATE	END DATE	PRICE
--------	------------	----------	-------

Waiting for localhost...



The screenshot shows a web browser window displaying the Docet interface. The browser's address bar shows the URL `http://localhost:8080/docet`. The Docet interface has a navigation menu with items: Locations, Components, Configurations, Administration, Network, Devices, Virtualization, and Operations. The main content area is titled 'Vlans & Networks' and contains a table with the following data:

NUMBER	NAME
1	Vlan Pubblica

An 'Add Vlan' dialog box is open in the foreground, containing the following fields and buttons:

- Number:
- Name:
- Buttons: Save, Delete, Cancel

The status bar at the bottom of the browser window shows 'Done'.

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Locations Components Configurations Administration Network Devices Virtualization Operations

Vlans & Networks

NUMBER	NAME
1	Vlan Pubblica
10	Vlan BaBar

Vlan Networks

NAME	NETWORK	SUBNET MASK
Rete farm BaBar	10.100.0.0	255.255.0.000

Done

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Docet

Add Computer & Other

Name: Blade farm GRID Hostname: t2-enclosure

HW Conf: Enclosure Blade HP SW Conf: []

Shelf: Rack GRID Position: 60 Serial Number: []

Admin Batch: Gara farm T2

Sub Device Generator

Name: t2-wn-

Start Num.: 10 End Num.: 20

Software Configuration: WN SL 5.4 x86_64

Hardware Configuration: WN farm GRID

Regenerate Network connections

Generate Cancel

Contained Devices

POSITION	NAME
----------	------

Network Ports List

NAME	MAC
------	-----

Single Sequence

HOSTNAME

Single Auto

TAGGED SPEED

Save Delete Cancel

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Docet

Add Computer & Other

Name: Blade farm GRID Hostname: t2-enclosure

HW Conf: Enclosure Blade HP SW Conf: []

Shelf: Rack GRID Position: 60 Serial Number: []

Admin Batch: Gara farm T2

Contained Devices

POSITION	NAME	SWCONF_ID	HWCONF_ID	HOSTNAME
1	t2-wn-10	WN SL 5.4 x86_64	WN farm GRID	t2-wn-10
2	t2-wn-11	WN SL 5.4 x86_64	WN farm GRID	t2-wn-11
3	t2-wn-12	WN SL 5.4 x86_64	WN farm GRID	t2-wn-12
4	t2-wn-13	WN SL 5.4 x86_64	WN farm GRID	t2-wn-13

Network Ports List

NAME	MAC	PORT	PHYSICALTYPE	TAGGED	SPEED
t2-enclosure		eth0	1	<input type="checkbox"/> Tagged	1000
t2-wn-10		eth0	1	<input type="checkbox"/> Tagged	1000
t2-wn-10		eth1	1	<input type="checkbox"/> Tagged	1000
t2-wn-11		eth0	1	<input type="checkbox"/> Tagged	1000
t2-wn-11		eth1	1	<input type="checkbox"/> Tagged	1000
t2-wn-12		eth0	1	<input type="checkbox"/> Tagged	1000

Save Delete Cancel

Done

Docet - Mozilla Firefox

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Docet

Add Computer & Other

Name: Blade farm GRID Hostname: t2-enclosure

HW Conf: Enclosure Blade HP SW Conf: [dropdown]

Shelf: Rack GRID Position: 60 Serial Number: [input]

Admin Batch: Gara farm T2

Contained Devices [Single] [Sequence]

POSITION	NAME	SWCONF_ID	HWCONF_ID	HOSTNAME
1	t2-wn-10	WN SL 5.4 x86_64	WN farm GRID	t2-wn-10
2	t2-wn-11	WN SL 5.4 x86_64	WN farm GRID	t2-wn-11
3	t2-wn-12	WN SL 5.4 x86_64	WN farm GRID	t2-wn-12
4	t2-wn-13	WN SL 5.4 x86_64	WN farm GRID	t2-wn-13

Save canceled! Position not valid for this shelf.

Network Ports List [Single] [Auto]

NAME	MAC	PORT	PHYSICALTYPE	TAGGED	SPEED
t2-enclosure		eth0	1	<input type="checkbox"/> Tagged	1000
t2-wn-10		eth0	1	<input type="checkbox"/> Tagged	1000
t2-wn-10		eth1	1	<input type="checkbox"/> Tagged	1000
t2-wn-11		eth0	1	<input type="checkbox"/> Tagged	1000
t2-wn-11		eth1	1	<input type="checkbox"/> Tagged	1000
t2-wn-12		eth0	1	<input type="checkbox"/> Tagged	1000

[Save] [Delete] [Cancel]

Done

Applications Places System Docet - Mozilla Firefox Sat May 15, 11:31

Docet - Mozilla Firefox

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Docet

Add Network Device

Name: Switch centrale Hostname: switch1

HW Conf: ProCurve 5000 SW Conf:

Shelf: Rack GRID Position: 1 Serial Number:

Admin Batch: Default Vlan: Vlan Pubblica

Add Hardware Configuration

Name: ProCurve 48 Ports 1000

Locations: 0 Dimension: 1

manufacturer_id: HP HW Type: Switch Ethernet Module

Network Ports: 48 Expression Port Generator: #MA##P#

Save Delete Cancel

Done

Applications Places System Docet - Mozilla Firefox Sat May 15, 12:07

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Docet

Add Network Device

Name: Switch centrale Hostname: switch1

HW Conf: ProCurve 5000 SW Conf: []

Shelf: Rack GRID Position: 1 Serial Number: []

Admin Batch: [] Default Vlan: Vlan Pubblica

Contained Devices

POSITION	NAME	SWCONF_ID	HWCONF_ID	HOSTNAME
1	Switch centrale	[]	ProCurve 48 Ports 1000	switch1

Network Ports List

NAME	MAC	PORT	PHYSICAL TYPE	VLAN_ID	TAGGED
switch1	[]	A2	1	Vlan Pubblica	<input type="checkbox"/> Tagged
switch1	[]	A3	1	Vlan Pubblica	<input type="checkbox"/> Tagged
switch1	[]	A4	1	Vlan Pubblica	<input type="checkbox"/> Tagged
switch1	[]	A5	1	Vlan Pubblica	<input type="checkbox"/> Tagged
switch1	[]	A6	1	Vlan Pubblica	<input type="checkbox"/> Tagged

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Docet

Network Connections Informations

Network Ports

NAME	MAC	UUID	PORT	PHYSICAL TYPE
switch1			A38	1
switch1			A39	1
switch1			A40	1
switch1			A41	1
switch1			A42	1
switch1			A43	1
switch1			A44	1
switch1			A45	1
switch1			A46	1
switch1			A47	1
switch1			A48	1

Network Connections Link Ports

STARTING PORT	ENDING PORT	CABLE
t2-wn-13 - eth0	switch1 - A44	

Vlans Join Vlan

VLAN

1 - Vlan Pubblica

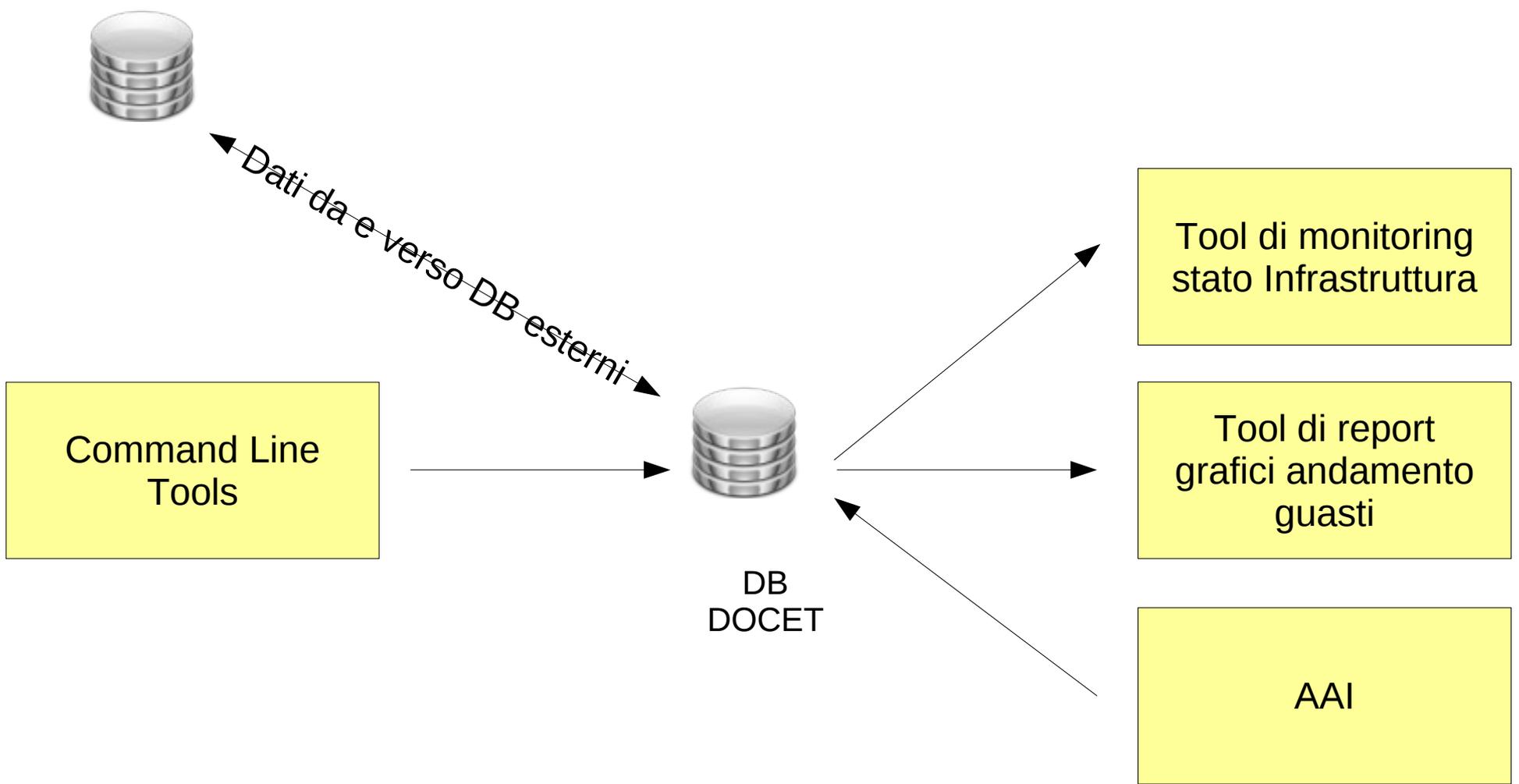
Done

Funzioni da inserire:

- Gestione log book attività su dispositivi
- Associazione documentazione a dispositivi
- Visualizzazione grafica locazione hardware
- Caricamento dati da file testo esterno

Possibili componenti da sviluppare:

- Gestione fiber channel
- Gestione distribuzione elettrica
- Drag & Drop nella vista ad albero tra l'albero e tabelle
- Raccolta dati dispositivi tramite SNMP
- Determinazione connessioni tra computer e switch tramite SNMP



**Giovedì pomeriggio ci sarà una
riunione al workshop per chi è
interessato**

- YUI Tools

developer.yahoo.com/yui/

- Vaadin

<http://vaadin.com/home>

- Hibernate

<http://www.hibernate.org>

- Prototype

<http://www.prototypejs.org>