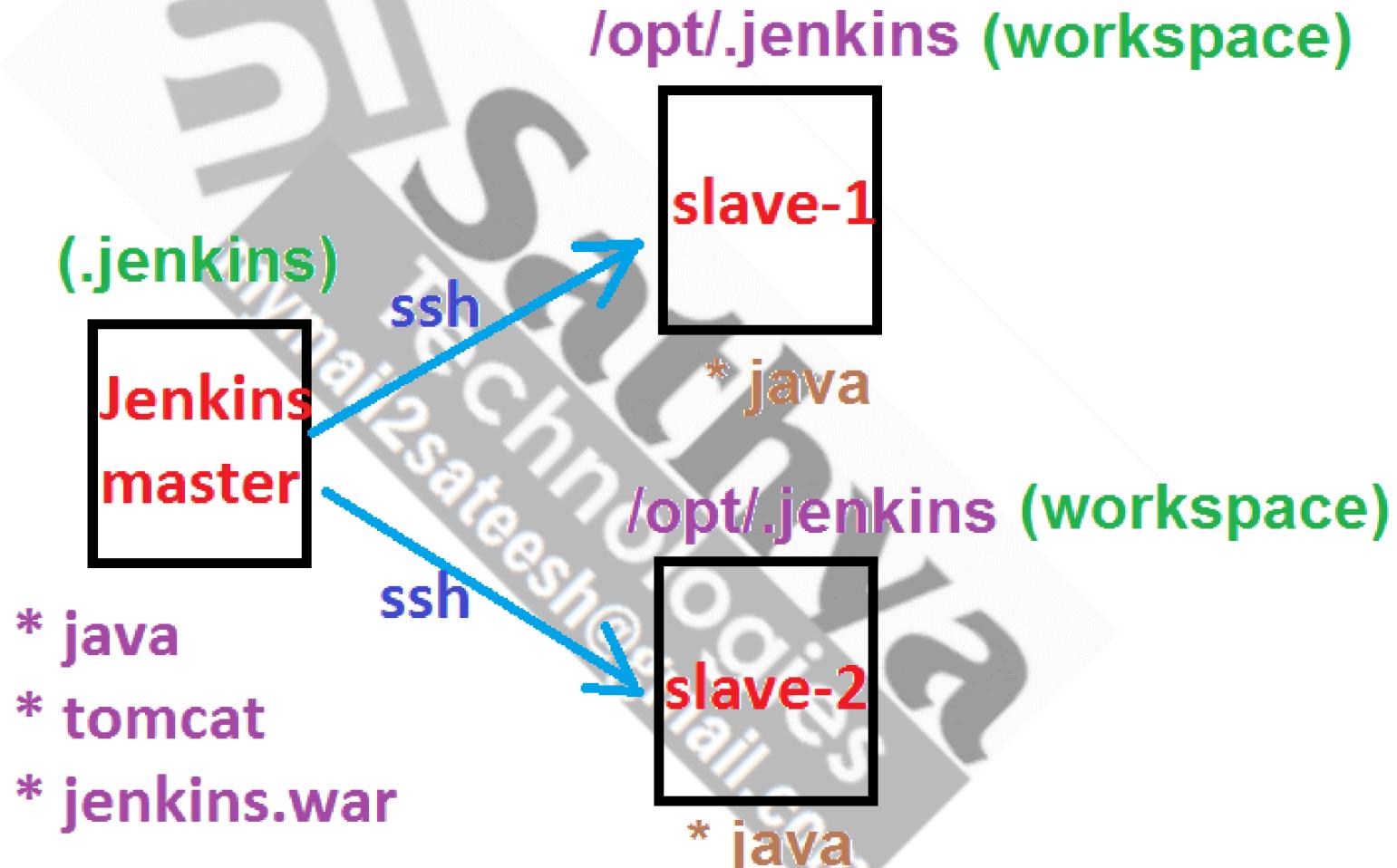




Jenkins

DevOps by SATISH @ SathyaTech

Jenkins Master – Slave



Jenkins Master – Slave

Step-1: Create Jenkins Master

- * install jdk , tomcat
- * deploy jenkins.war

Step-2: Create Jenkins Slave

- * install jdk (java)
 - * create jenkins home dir
(/tmp/.jenkins)
- slave# mkdir /tmp/jenkins**

Step-3: config slave machine

```
slave# vi /etc/ssh/sshd_config
```

```
    PasswordAuthentication yes
```

```
    PermitRootLogin yes
```

```
:wq ---> save and quit
```

```
slave# service ssh restart (for Ubuntu)
```

```
slave# systemctl restart sshd (for RedHat)
```

Step-4: change the root password

```
slave#passwd root
```

```
Enter new passwd : root
```

```
master# ssh <slave ip>
```

Step-5: to connect to slave using ssh keys

master# ssh-keygen

master# ssh-copy-id <slave ip>

master# ssh <slave ip>

Step-6: to Add Jenkins Slave

**Jenkins --> Manage Jenkins --> Manage
Nodes**

New Node ---> Name : node1

(.) Permanent Agent --> ok

No of executors: 5

Remote root directory: /tmp/.jenkins

Jenkins

search admin | log

Jenkins > Nodes > sahya

[Back to List](#)

[Status](#)

[Delete Agent](#)

[Configure](#)

[Build History](#)

[Load Statistics](#)

[Log](#)

[Build Executor Status](#)

Name: sahya

Description:

of executors: 1

Remote root directory: /tmp/jenkins

Labels: slave1

Usage: Use this node as much as possible

Launch method: Launch slave agents via SSH

Host:

Credentials: - none - Add Jenkins
The selected Jenkins could not be found

Host Key Verification Strategy: Known hosts file Verification Jenkins Credentials Provider

Jenkins > Nodes > sahya

Jenkins Credentials Provider: Jenkins

Add Credentials

Domain: Global credentials (unrestricted)

Kind: **Username with password**

Scope: Global (Jenkins, nodes, items, all child items, etc)

Username: root

Password: **....**

ID:

Description:

Add Cancel Save

[Back to List](#)

 Jenkins Credentials Provider: Jenkins

Add Credentials

Domain: Global credentials (unrestricted)

Kind: **SSH Username with private key** (highlighted with a red box)

Scope: Global (Jenkins, nodes, items, all child items, etc)

Username: root

Private Key: Enter directly

Key:

```
-----BEGIN RSA PRIVATE KEY-----
MIIEowlBAAKCAQEAp/kKvYQhXtp2Sley3JUPredfDoHdB8HYdmG/zYSFRIEh5
w8z
gg/mh9+nOhHiO7QR5rYQeo3bv8CPe+8KB71Z6EEd3pW8j3bAePoOOyuvSxL
cRbVg
```

[Back to List](#)[status](#)[Delete Agent](#)[Configure](#)[Build History](#)[Load Statistics](#)[Log](#)[Build Executor Status](#)

Agent sahya

This agent is offline because Jenkins failed to launch the agent process on it. [See log for more details](#)

[Launch agent](#)

Labels

slave1

Projects tied to sahya

None

[Mark this node temporarily offline](#)

[New Item](#) [People](#) [Build History](#) [Manage Jenkins](#) [My Views](#) [Credentials](#) [Build Queue](#)

No builds in the queue.

 [Build Executor Status](#) [master](#)

1 Idle

2 Idle

 [node1](#)

1 Idle

 [sahya](#)

1 Idle

[All](#) [demo](#) [sathya](#) [+](#)

S	W	Name ↓	Last Success	Last Failure	Last Duration	
		ant_demo	1 day 23 hr - #4	1 day 23 hr - #1	1.2 sec	
		demo	12 hr - #1	N/A	1 sec	
		mvn_compile	23 hr - #8	N/A	4.1 sec	
		mvn_deploy	23 hr - #8	N/A	37 ms	
		mvn_package	23 hr - #8	N/A	5.2 sec	
		test	1 day 23 hr - #1	1 day 23 hr - #2	0.14 sec	

Icon: [S](#) [M](#) [L](#)[Legend](#) [RSS for all](#) [RSS for failures](#) [RSS for just latest builds](#)

[New Item](#)[People](#)[Build History](#)[Manage Jenkins](#)[My Views](#)[Credentials](#)[System](#)

Build Queue

No builds in the queue.

Build Executor Status

master

- 1 Idle
- 2 Idle

node1

- 1 Idle

sahya

- 1 Idle

Credentials

T	P	Store ↓	Domain	ID	Name
		Jenkins	(global)	57dfcc9b-e81b-4985-93f1-7444255d7a1e	root/*****
		Jenkins	(global)	6e13b171-0073-43bc-8efb-dfc8584b5d41	root/*****
		Jenkins	(global)	b3c92af5-52d9-4a76-9856-65a89d309ff0	root

Stores scoped to Jenkins

P	Store ↓	Domains
	Jenkins	(global)

General Source Code Management Build Triggers Build Environment Build Post-build Actions

[Plain text] [Preview](#)

Discard old builds [?](#)

GitHub project [?](#)

This project is parameterized [?](#)

Throttle builds [?](#)

Disable this project [?](#)

Execute concurrent builds if necessary [?](#)

Restrict where this project can be run [?](#)

Label Expression: [sahya](#)

[Label sahya is serviced by 1 node](#)

[Advanced...](#)

Source Code Management

None

Git

Subversion [?](#)

[Save](#) [Apply](#)