

Do we have time for Railo Clusters?

- Railo Clusters, at their simplest are a modification of the AJP connector. The Cluster Connector Include looks like this

```
<Proxy balancer://mycluster>
```

```
BalancerMember ajp://localhost:8021/ route=node1 loadfactor=1
```

```
BalancerMember ajp://localhost:8022/ route=node1 loadfactor=1
```

```
ProxySet lbmethod=byrequests
```

```
</Proxy>
```

```
ProxyPreserveHost On
```

```
ProxyPassMatch ^/(.*\.cf[cm]/?.*)$ balancer://mycluster/$1 nofailover=On
```

Configure the Cluster Proxy

- Create a Proxy with a balancer id.
- Add BalancerMembers – ajp port, route, and share of the load with loadfactor
- ProxySet Load Balance method, by request, by traffic or by busyness.
- Set the regex to pass from Apache to the Balancer instead of a specific Engine.
- Apache allows for failover, hot spares etc too.

Does it work? Try railocluster.local.com

Welcome to the Railo World!

- [Getting Started](#)
- [Community Website](#)
- [Wiki - Documentation](#)
- [Railo Mailing List](#)
- [Support & Consulting](#)

Railo 4.0

You are now successfully running Railo 4.0.

Please check the Railo Server Administrator for available updates and patches.

Important Notes

Thank you for choosing Railo as your CFML engine. If you have installed Railo on a public ser

Whats wrong with my Cluster?

- Apache is setup to point to the right folder
- But Tomcat for each of the engines are not
- Lets add a Host for Railo1

```
<Host name="railocluster.local.com" appBase="webapps">  
  <Context path="" docBase="/www/_wwwcfo/  
railo1.local.com"></Context>  
</Host>
```

- Restart Railo1 and try again

Verify Cluster with Railo1

railocluster.local.com

Railo1

Scope		
coldfusion	Struct	
	appserver	string
	expiration	Date Time (America/Los_Angeles) {ts '2037-12-31 15:00:00'}
	installkit	string
	productlevel	string os
	productname	string Railo
	productversion	string 10,0,0,0
	rootdir	string /www/_wwwcfo/railo1.local.com
	serialnumber	string 0

Railo1 in the Cluster is working

- When Railo1 gets the request we get the file
`{webs}/railo1.local.com/index.cfm`

Even though apache is pointing to

`{webs}/railocluster.local.com/index.cfm`

- Lets add Host for Railo2 to the right folder

```
<Host name="railocluster.local.com" appBase="webapps">
```

```
  <Context path="" docBase="{webs}/railocluster.local.com"></Context>
```

```
</Host>
```

Restart Railo2 and Verify Cluster

railocluster.local.com

Railo1

Scope		
coldfusion	Struct	
	appserver	string
	expiration	Date Time (America/Los_Angeles) {ts '2037-12-31 15:00:00'}
	installkit	string
	productlevel	string os
	productname	string Railo
	productversion	string 10,0,0,0
	rootdir	string /www/_wwwcfo/railo1.local.com
	serialnumber	string 0

Why would you want 2 different folders?

- AB Testing
You can try out different layouts/designs and let your customers decide what works best.
- Slow roll-out of code
This allows you to roll out some of your code, maybe to 10% of your customer base, and make sure it's a good build before releasing it to all 100% of your viewers.