

## Cluster-Related Advanced Properties

### THE INFORMATION IN THIS ARTICLE APPLIES TO:

- EFT v8.0 and later

### DISCUSSION

The advanced properties described below affect EFT HA (active-active) configurations. These values are read upon EFT server service startup.

Specify the advanced properties described in the table in the format shown below. Refer to the [EFT v8 help](#) for information about editing the AdvancedProperties.json file.

```
{
```

```
"ClusterOutOfSyncGracePeriodSecs": "10"
```

```
"ClusterOutOfSyncHealSecs": "60"
```

```
}
```

### Additional cluster-related advanced properties:

Name	Type	Min	Max	Default	Description
<a href="#">ClusterCoherenceQueueDetectPrivateIP</a>	string		0	128 autodetect	Determine whether to automatically detect private IP to advertise to other nodes. Default value is "autodetect". You can replace "autodetect" with the prefix of the IP

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<a href="#">ClusterCoherenceString</a>	0	128	msmq-multicast	Determines the type of coherence queue to use when using MSMQ. msmq-multicast uses multicast-based MSMQ queues to send administrative updates. msmq-iterative uses point-to-point MSMQ queues. Default value is msmq-multicast.
<a href="#">ClusterCoherenceQueueMulticastConfirmationTimeout</a>	0	2147483647	30	Specifies how much time (in seconds) EFT HA cluster node should wait for own multicast MSMQ message to arrive to its own coherence queue before failing send

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					attempt.
ClusterCoherenceQueueMulticastMaxRetryCount	2147483647	5			Specifies how much retry attempts EFT HA cluster mode should make when sending multicast MSMQ message to coherence queue.
ClusteredRuleHeartBeatPeriodSecs	10		3600	10	This specifies the heartbeat period in seconds for clustered event rules. The smaller the period, the sooner nodes will notice when another node has gone down, but more frequent heartbeats incur increased overhead for the production and processing of the associated event rule queue traffic.

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ClusterOutOfSyncGracePeriodSecs	10	60 10	Amount of time in seconds that an HA node will wait for incoming administrative messages to arrive before declaring itself to be out-of-sync with the cluster.
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Enables advanced property below.

ClusterOutOfSyncHealSecs	0 (disables auto-draining)	4294967295 60 seconds
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Amount of time in seconds that an HA node will wait for incoming administrative messages to arrive before declaring itself to be out-of-sync with the cluster and initiating draining and restart.

1. Provide advanced

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property,  
**ClusterOutOfSyncGrace**

(above)

and

change

the full

timeout

for sync

default

from 30

seconds

to 60

seconds.

2. Provide advanced property, **ClusterOutOfSyncHeal**

to set this

value to

non-default

value.

3. When EFT becomes out of sync and enters the period where it attempts to heal, the WEL text is output:  
"Node out of sync, attempting to heal...".

4. The EFT.log

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shows:

- Time it entered into out of sync state: "Initial detection of node as out of sync, entering grace period..."
  - Time it attempted to start healing itself: "Node out of sync, attempting to heal..."
- Time it took to

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heal  
(if  
healed):  
"Node  
was  
out  
of  
sync  
for  
[N]  
seconds  
but  
is  
now  
in  
sync"

- Time  
at  
which  
it  
considered  
itself  
unable  
to  
heal;  
Time  
at  
which  
it  
began  
to  
drain:  
"Out  
of  
sync  
node  
unable  
to  
recover  
after

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[N]  
seconds,  
entering  
drain  
mode  
for  
maximum  
of  
[M]  
minutes.  
Service  
[will\will  
not]  
restart  
when  
draining  
is  
complete"

- Time  
at  
which  
it  
completed  
drain:  
Elapsed  
time  
for  
completing  
drain  
"Finished  
draining  
node  
after  
[N.XY]  
minutes"

```
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115%; font-size: 11.0pt; font-family: "Calibri" , "sans-serif"; width: 119.7pt; background:
```



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```
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td.telerik-reTableHeaderLastCol-4 { padding: 0in 5.4pt 0in 5.4pt; } .telerik-reTable-4
td.telerik-reTableHeaderOddCol-4 { padding: 0in 5.4pt 0in 5.4pt; } .telerik-reTable-4
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GlobalSCAPE Knowledge Base

<https://kb.globalscape.com/Knowledgebase/11504/ClusterRelated-Advanced-Prop...>