

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. For more information about the Advanced Properties, refer to [the online help](#) for your version of EFT.

```
{
```

```
"ClusterOutOfSyncGracePeriodSecs": 10
```

```
"ClusterOutOfSyncHealSecs": 60
```

```
}
```

Additional cluster-related advanced properties:

Name	Type	Min	Max	Default	Description
ClusterCoherenceQueueDetectPrivateIP	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

Cluster-Related Advanced Properties

				address to find (e.g: "192.168" to match an IP address starting with 192.168).
ClusterCoherenceQueueMsmqType	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 (Unicast). Default value is msmq-multicast.
ClusterCoherenceQueueMulticastConfirmationTimeout	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

Cluster-Related Advanced Properties

						failing send 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.

Cluster-Related Advanced Properties

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.

Enables advanced property below.

ClusterOutOfSyncHealSecs

0 (disables auto-draining)

4294967295 60 seconds

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

Cluster-Related Advanced Properties

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

Cluster-Related Advanced Properties

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

Cluster-Related Advanced Properties

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

Cluster-Related Advanced Properties

[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"

```
.telerik-reTable-4 { border-collapse: collapse; border: solid 0px; font-family: Tahoma; }  
.telerik-reTable-4 tr.telerik-reTableHeaderRow-4 { border-width: 1.0pt 1.0pt 3.0pt 1.0pt;  
margin-top: 0in; margin-right: 0in; margin-bottom: 10.0pt; margin-left: 0in; line-height:  
115%; font-size: 11.0pt; font-family: "Calibri" , "sans-serif"; width: 119.7pt; background:
```


Cluster-Related Advanced Properties

```
#4F81BD; padding: 0in 5.4pt 0in 5.4pt; color: #FFFFFF; } .telerik-reTable-4
td.telerik-reTableHeaderFirstCol-4 { padding: 0in 5.4pt 0in 5.4pt; } .telerik-reTable-4
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
td.telerik-reTableHeaderEvenCol-4 { padding: 0in 5.4pt 0in 5.4pt; } .telerik-reTable-4
tr.telerik-reTableOddRow-4 { border-width: 1pt; color: #666666; vertical-align: top;
border-bottom-style: solid; border-bottom-color: #4F81BD; } .telerik-reTable-4
tr.telerik-reTableEvenRow-4 { color: #666666; vertical-align: top; } .telerik-reTable-4
td.telerik-reTableFirstCol-4 { border-width: 1pt; border-color: #4F81BD; padding: 0in 5.4pt
0in 5.4pt; border-bottom-style: solid; border-left-style: solid; } .telerik-reTable-4
td.telerik-reTableLastCol-4 { border-width: 1pt; border-color: #4F81BD;
border-bottom-style: solid; border-right-style: solid; padding: 0in 5.4pt 0in 5.4pt; }
.telerik-reTable-4 td.telerik-reTableOddCol-4 { border-width: 1pt; border-color: #4F81BD;
padding: 0in 5.4pt 0in 5.4pt; border-bottom-style: solid; } .telerik-reTable-4
td.telerik-reTableEvenCol-4 { border-width: 1pt; border-color: #4F81BD; padding: 0in
5.4pt 0in 5.4pt; border-bottom-style: solid; } .telerik-reTable-4
tr.telerik-reTableFooterRow-4 { color: #355C8C; background-color: #FFFFFF; vertical-align:
top; padding: 0in 5.4pt 0in 5.4pt; } .telerik-reTable-4 td.telerik-reTableFooterFirstCol-4 {
border-width: 1pt; border-color: #4F81BD; border-bottom-style: solid; border-left-style:
solid; padding: 0in 5.4pt 0in 5.4pt; } .telerik-reTable-4 td.telerik-reTableFooterLastCol-4 {
border-width: 1pt; border-color: #4F81BD; border-bottom-style: solid; border-right-style:
solid; padding: 0in 5.4pt 0in 5.4pt; } .telerik-reTable-4 td.telerik-reTableFooterOddCol-4 {
border-width: 1pt; border-color: #4F81BD; border-bottom-style: solid; padding: 0in 5.4pt
0in 5.4pt; } .telerik-reTable-4 td.telerik-reTableFooterEvenCol-4 { border-width: 1pt;
border-color: #4F81BD; border-bottom-style: solid; padding: 0in 5.4pt 0in 5.4pt; }
```

GlobalSCAPE Knowledge Base

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