[Cassandra-5133](https://www.google.com/url?q=https://issues.apache.org/jira/browse/CASSANDRA-5133&sa=D&source=editors&ust=1751363465204934&usg=AOvVaw3WG4qZJRNT-buyeD2LWMO_)

**Nodes can't rejoin after stopping, when using GossipingPropertyFileSnitch**

**(1)  Log information**

The environment setting is: 3 nodes A, B, C.

Node A -> seeds="node A ip address"; Node B -> seeds="node A ip address"; Node C -> seeds="node A ip address"

1) start node A and let it fully start up. ( first node needs to be a seed of itself to start )

2) start node B and let it fully join the ring.

3) start node C and let it fully join the ring.

4) nodetool ring shows all nodes up

5) stop node C and update the cassandra-rackdc.protperites file to rack=2

6) start node C ( fails to start error about can’t find DC for node A, the error log is as follows)

7) stop node A and update seeds="node B ip address", to try and solve question above

8) start node A ( fails to start cant find DC of node C )

9) stuck not being able to start node A and C

ERROR 05:45:39,305 Exception encountered during startup

java.lang.RuntimeException: Could not retrieve DC for /10.114.18.51 from gossip and PFS compatibility is disabled

at org.apache.cassandra.locator.GossipingPropertyFileSnitch.getDatacenter(GossipingPropertyFileSnitch.java:109)

at org.apache.cassandra.locator.DynamicEndpointSnitch.getDatacenter(DynamicEndpointSnitch.java:127)

at org.apache.cassandra.locator.TokenMetadata$Topology.addEndpoint(TokenMetadata.java:1040)

at org.apache.cassandra.locator.TokenMetadata.updateNormalTokens(TokenMetadata.java:185)

at org.apache.cassandra.locator.TokenMetadata.updateNormalTokens(TokenMetadata.java:157)

at org.apache.cassandra.service.StorageService.initServer(StorageService.java:441)

at org.apache.cassandra.service.StorageService.initServer(StorageService.java:397)

at org.apache.cassandra.service.CassandraDaemon.setup(CassandraDaemon.java:309)

at org.apache.cassandra.service.CassandraDaemon.activate(CassandraDaemon.java:397)

at org.apache.cassandra.service.CassandraDaemon.main(CassandraDaemon.java:440)

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ERROR 02:58:45,376 Exception in thread Thread[WRITE-cassandra-1/10.179.65.102,5,main]

java.lang.RuntimeException: Could not retrieve DC for cassandra-1/10.179.65.102 from gossip and PFS compatibility is disabled

at org.apache.cassandra.locator.GossipingPropertyFileSnitch.getDatacenter(GossipingPropertyFileSnitch.java:80)

at org.apache.cassandra.locator.DynamicEndpointSnitch.getDatacenter(DynamicEndpointSnitch.java:127)

at org.apache.cassandra.net.OutboundTcpConnection.isLocalDC(OutboundTcpConnection.java:73)

at org.apache.cassandra.net.OutboundTcpConnection.connect(OutboundTcpConnection.java:266)

at org.apache.cassandra.net.OutboundTcpConnection.run(OutboundTcpConnection.java:138)