

## Item 7

### git\_comments:

1. assert original attributes restored and the server can be updated.
2. One host with one A, two CNAME and one PTR record
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4. \* \* Implements methods in {@link brooklyn.entity.basic.AbstractSoftwareProcessSshDriver}. \* {@link #isRunning()} returns true.
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8. \* \* Uploads configuration files and restarts the service.
9. \* \* @return A serial number guaranteed to be valid for use in a modified domain.zone or reverse.zone file.
10. Update Bind configuration files and restart the service
11. **comment:** Harder to make assertions on PTR because the entity servers might not be in the right CIDR  
**label:** code-design

### git\_commits:

1. **summary:** This closes #263  
**message:** This closes #263 \* github/pr/263: BindDnsServer improvements Mark Cidr class Serializable  
BROOKLYN-81: Refuse to reload security provider if none set

### github\_issues:

### github\_issues\_comments:

### github\_pulls:

1. **title:** DNS entity improvements

**body:** BindDnsServer rebinds, supports CNAME records and is better tested. @grkvlt Would be great if you could review this thoroughly.

#### github\_pulls\_comments:

1. [incubator-brooklyn-pull-requests #153](https://builds.apache.org/job/incubator-brooklyn-pull-requests/153/) SUCCESS This pull request looks good
2. nice work. have not looked in detail however, @grkvlt over to you.
3. Good stuff @sjcorbett this looks really useful. I'd like to test it out before merging it, and would also suggest adding an example YAML blueprint for an application using it, somewhere.
4. Thanks for the comments. In the interim `BindDnsServerIntegrationTest.testRebindDns` has started failing. It's not rebinding any of the entities. I observe: `` 2014-10-27 21:34:50,256 INFO Rebind complete: 1 app, 8 entities, 5 locations, 1 policy, 31 enrichers, 0 feeds, 0 catalog items 2014-10-27 21:34:50,256 INFO A: 2014-10-27 21:34:50,257 INFO CNAME: 2014-10-27 21:34:50,257 INFO PTR: `` The problem is that `getAttribute(ENTITIES).getMembers()` is returning an empty collection where before it returned the expected collection of members. Has anything in core changed with respect to rebind?
5. [incubator-brooklyn-pull-requests #187](https://builds.apache.org/job/incubator-brooklyn-pull-requests/187/) SUCCESS This pull request looks good
6. [incubator-brooklyn-pull-requests #188](https://builds.apache.org/job/incubator-brooklyn-pull-requests/188/) SUCCESS This pull request looks good
7. Test failure fixed by overriding `postRebind` instead of `rebind`. Any more comments? I think this is mergeable now.
8. [incubator-brooklyn-pull-requests #191](https://builds.apache.org/job/incubator-brooklyn-pull-requests/191/) SUCCESS This pull request looks good
9. Incorporated suggestion from @aledsage.
10. [incubator-brooklyn-pull-requests #203](https://builds.apache.org/job/incubator-brooklyn-pull-requests/203/) ABORTED
11. @sjcorbett Merged this, working on a YAML blueprint to demonstrate

#### github\_pulls\_reviews:

1. I didn't mean to push this. `cluster.resize` returns before the DNS entity is updated. I guess I can wait for a predicate testing expected DNS entries size to eventually be true. Any other suggestions?
2. Brilliant
3. Could this go in an attribute, too?
4. **body:** Perhaps better to use an explicit mutex `Object` instead? Also, do we still need the synchronisation, since the sensor data is now pushed out only once changed, so there shouldn't be inconsistencies? It's really just enforcing serialisation of calls to `update()` now, right?  
**label:** code-design
5. Instead of `Joiner` use `Iterables#toString(Iterable)`
6. Why do we have to recreate the maps every time?
7. Maybe this should go in `Cidr` or `Networking` as a convenience?
8. The `appendTemplate` method might be kept, but in the parent, since it seems useful?
9. It's still there, just obscured by the diff.
10. **body:** Why do you think it is better to synchronise on an explicit Object? I'm not really comfortable enough with Brooklyn's concurrency model to know for sure that `update` won't be called concurrently. If `MemberTrackingPolicy.onEntityChange` is guaranteed to be called synchronously then we should be able to drop the `synchronized` statement.  
**label:** code-design
11. **body:** Simplicity. We can just follow `onEntityChange` and track members we know are usable with `HasHostnameAndValidLifecycle`. There's no need to track entities to remove from maps and multi-maps. I could be convinced that this is grossly wasteful but figured it will be called rarely so is excusable.  
**label:** code-design
12. **body:** I'd prefer `setAttribute(getAttribute(SERIAL) + 1)`, with the type being `Long` rather than `AtomicLong`. At some point we may hook in to setAttribute for more efficient persistence or a datagrid...  
**label:** code-design

## jira\_issues:

1. **summary:** When no web-console credentials configured, "Reload properties" makes it inaccessible  
**description:** I ran `brooklyn launch`, where my brooklyn.properties had no web-console security credentials. I then clicked the "Reload properties" button on the front page of the web-console. After that, I could not log in. The log showed me: 2014-10-17 11:28:00,886 INFO Starting Brooklyn web-console with passwordless access on localhost and protected access from any other interfaces 2014-10-17 11:28:02,812 INFO Started Brooklyn console at http://127.0.0.1:8089/, running classpath://brooklyn.war 2014-10-17 11:28:03,247 INFO REST using security provider brooklyn.rest.security.provider.BrooklynUserWithRandomPasswordSecurityProvider 2014-10-17 11:28:03,247 INFO Allowing access to web console from localhost or with brooklyn:Kg6GATxF6s 2014-10-17 11:28:08,860 INFO Reloading brooklyn properties from Builder{defaultLocationMetadataUrl=classpath://brooklyn/location-metadata.properties, globalLocationMetadataUrl=/Users/aled/.brooklyn/location-metadata.properties, globalPropertiesFile=/Users/aled/.brooklyn/brooklyn.properties} 2014-10-17 11:28:08,860 WARN When reloading, mgmt context LocalManagementContext[pf7oiGWN-xPf4Z8z7] properties are fixed, so reload will be of limited utility 2014-10-17 11:28:08,863 INFO Reloading additional brooklyn properties from {brooklyn.catalog.mode=LOAD\_BROOKLYN\_CATALOG\_URL} 2014-10-17 11:28:08,864 INFO REST using security provider brooklyn.rest.security.provider.ExplicitUsersSecurityProvider

## jira\_issues\_comments:

1. In 0.10.0, we changed the Brooklyn default behaviour (for classic; not sure about karaf off-hand!); if no credentials are defined, then no credentials are required to login. Reloading properties thus does not break login.