

Infrastructure - Story #2720

KNB, LTER, PISCO, ESA, SANPARKS roll out

2012-05-08 22:51 - Ben Leinfelder

Status:	Closed	Start date:	2012-05-08
Priority:	Urgent	Due date:	
Assignee:	Ben Leinfelder	% Done:	100%
Category:	Support Operations	Estimated time:	0.00 hour
Target version:	Sprint-2012.35-Block.5.2		
Story Points:			
Description			
<p>Here's the current plan of attack for upgrading all our MNs for the production release:</p> <ol style="list-style-type: none">0. Stop traditional Metacat replication among MNs that will participate.1a. Update existing access rules to only use 'allowFirst' - see sql script in Metacat project. This is a manual process and requires the admin to evaluate existing access blocks that might be using deny rules for some specific purpose. Analysis on the KNB shows that there are no meaningful rules used on that particular Metacat instance.1b. Configure DOI prefixes for KNB, LTER, PISCO where appropriate. KNB will have entries for all three, LTER will have an entry for itself and for the KNB. PISCO need only have a DOI prefix for itself. (TBD: LTER needs to know about PISCO even though it has no direct replication relationship)1c. This will generate DOIs for appropriate records (applies to KNB, LTER, and PISCO)2. Upgrade Metacat 1.9.5 to 2.0.0 using the admin screens on each MN<ol style="list-style-type: none">2a. Generate SM for objects that originated on that MN (localhost/serverid=1 on the replication admin panel)2b. Ensure replication policy for generated SM does not allow replication (numer_replicas = 0 is the default in metacat.properties)3. Register the MNs with the CN. Only D1 synchronization will be running, not DataONE replication<ol style="list-style-type: none">3a. Wait for synchronization to complete for additional MNs that come on line (could be weeks)4. When former replication partner MNs come online with their original content synched to the CNs we can set replication policies to allow replication for those objects (now that the known replicas are registered correctly with the CNs).5. Generate SystemMetadata for objects that did not originate on the source MN (e.g., KNB can then generate SM for records that it houses from PISCO)6. Audit task will eventually make sure MN SystemMetadata for replicas is updated to match the SM housed on the CN (with correct authoritative MN information) <p>Please note that with this plan, MN system metadata will become stale when we set replication policy on the CN. We can call <code>MN.systemMetadataChanged()</code> for all ids when we are sure replication has processed all the objects.</p>			
Subtasks:			
Task # 2721: Generate SystemMetadata only for original objects [initially]			Closed
Task # 2722: LTER - set up MN for staging			Closed
Task # 2723: Generate test certificate for urn:node:mnStageLTER			Closed
Task # 2858: DOI conversion procedure			Closed
Task # 2724: PISCO - set up stage server			Closed
Task # 2741: Generate urn:node:mnStagePISCO certificate			Closed
Task # 2773: Generate test.piscoweb.org certificate/key			Closed
Task # 2774: Generate ?.piscoweb.org certificate/key			Closed
Task # 2740: Extend Metacat's GenerateSystemMetadata to target specific replication tar...			Closed
Task # 2762: Add "generate now" button for each Metacat replication target in the admin...			Closed
Task # 2764: upgrade urn:node:mnStageUCSB1			Closed
Task # 2776: revert mnStageUCSB1 Metacat db to 1.9.5 and upgrade to 2.0.0			Closed
Task # 2765: upgrade urn:node:mnSandboxUCSB1			Rejected
Task # 2811: ESA - deploy skin on mnStageUCSB2			Closed
Task # 2812: OBFS - test skin			Closed
Task # 2813: NRS - test skin			Closed
Task # 2814: Email all existing KNB replica partners re: 2.0.0 upgrade			Closed
Task # 2742: Finalize DOI shouldered for PISCO, LTER, KNB			Closed
Task # 2857: Create DOI conversion script for LTER node			Closed
Task # 2880: SANParks MN upgrade			Closed

Task # 2883: Determine current SANParks replication setup	Closed
Task # 2884: Upgrade dataknp server software	Closed
Task # 2885: Upgrade SANParks to Metacat 2.0.0	Closed
Task # 2886: Register SANParks as MN	Closed
Task # 2887: Generate MN certificate for urn:node:SANPARKS	Rejected
Task # 2889: Consolidate the saeonocean.co.za and saeonmetacat.co.za replication server...	Closed
Task # 2979: Upgrade SANParks to Metacat 2.0.1	Closed
Task # 2980: Generate ORE map for EML packages on SANParks	Closed
Task # 2881: ESA + PARC MN upgrade	Closed
Task # 2888: Install Metacat pre-requisites	Closed
Task # 2845: Build new ESA server on mn-ucsb-2.dataone.org	Closed
Task # 2854: Email ESA admins about DNS switch	Closed
Task # 2903: Migrate postgres DB for ESA	Closed
Task # 2904: Migrate ESA documents/data directories to new server	Closed
Task # 2910: Set up ESA registry	Closed
Task # 2911: Transfer SSL certificates to ESA server	Closed
Task # 2846: Build new PARC server on mn-ucsb-2.dataone.org	Closed
Task # 2853: Email PARC admins about DNS change	Closed
Task # 2905: Migrate postgres DB for PARC	Closed
Task # 2906: Migrate PARC documents/data directories to new server	Closed
Task # 2912: Transfer SSL certificates to PARC server	Closed
Task # 2913: Configure Metacat->Metacat replication from PARC->KNB	Closed
Task # 2891: Copy existing Apache configurations to new site configs	Closed
Task # 2915: Install DataONE CA (ESA, PARC)	Closed
Task # 2981: Upgrade ESA to Metacat 2.0.1	Closed
Task # 2882: KNB MN upgrade	Closed
Task # 2892: Install Metacat prerequisites on KNB (mn-ucsb-3)	Closed
Task # 2893: Generate certificate for urn:node:KNB	Rejected
Task # 2894: Detail steps for moving postgres db to new KNB	Closed
Task # 2895: Detail steps for moving /var/metacat/* to new KNB	Closed
Task # 2897: Update and migrate static KNB content	Closed
Task # 2898: workflowscheduler and kepler	Rejected
Task # 2899: EMLParser webapp - migrate to new KNB host	Closed
Task # 2901: Migrate [most of] existing KNB Apache configuration to new host	Closed
Task # 2902: Move/deprecate/update "authority" LSID-resolution service	Closed
Task # 2918: LSID authority service error on init	Closed
Task # 2907: Configure NCEAS, OBFS, NRS registry	Closed
Task # 2908: Install NCEAS::AdminDB module	Closed
Task # 2909: Allow PG connections from new server to adminDB	Closed
Task # 2916: Install DataONE CA (new KNB)	Closed
Task # 2920: Transfer spatial cache to new server	Closed
Task # 2924: Switch DNS entries for KNB	Closed
Task # 2938: SystemMetadata has incomplete obsoletedBy information	Closed
Task # 2983: Upgrade KNB to Metacat 2.0.1	Closed
Task # 3006: Generate ORE maps for EML packages on KNB	Closed

Related issues:

Related to Infrastructure - Task #2815: EZID - create script and sample DOI b...	Closed	2012-05-24
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History

#1 - 2012-06-09 00:24 - Matthew Jones

- Category set to Support Operations
- Status changed from New to In Progress
- Target version set to Sprint-2012.23-Block.3.4

#2 - 2012-06-20 14:06 - Dave Vieglais

- Position set to 1
- Target version changed from Sprint-2012.23-Block.3.4 to Sprint-2012.25-Block.4.1

#3 - 2012-07-09 13:37 - Dave Vieglais

- Milestone changed from CCI-1.0.0 to CCI-1.0.2
- Target version changed from Sprint-2012.25-Block.4.1 to Sprint-2012.27-Block.4.2

#4 - 2012-07-09 14:20 - Dave Vieglais

- Position set to 1
- Position deleted (9)

#5 - 2012-07-09 15:37 - Dave Vieglais

- Milestone changed from CCI-1.0.2 to CCI-1.0.3

#6 - 2012-07-19 22:12 - Ben Leinfelder

- Position deleted (5)
- Position set to 1
- Target version changed from Sprint-2012.27-Block.4.2 to Sprint-2012.29-Block.4.3

#7 - 2012-07-31 00:31 - Dave Vieglais

- Milestone changed from CCI-1.0.3 to CCI-1.0.4

#8 - 2012-08-31 01:59 - Chris Jones

- Target version changed from Sprint-2012.29-Block.4.3 to Sprint-2012.37-Block.5.3

#9 - 2012-08-31 03:56 - Chris Jones

- Position deleted (8)
- Position set to 1
- Target version changed from Sprint-2012.37-Block.5.3 to Sprint-2012.35-Block.5.2

#10 - 2012-09-03 17:20 - Ben Leinfelder

- Status changed from In Progress to Closed

finally closing -- subtasks are all complete or moved to separate tickets.