# Infrastructure - Task #145

## Define and implement the CN Service

2009-12-16 16:35 - Dave Vieglais

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|---|---|---|---|
| **Status:** | Closed | **Start date:** | |
| **Priority:** | High | **Due date:** | |
| **Assignee:** | Dave Vieglais | **% Done:** | 100% |
| **Category:** | d1_cn_service | **Estimated time:** | 0.00 hour |
| **Target version:** | CCI-0.3 Deployed | | |
| **Milestone:** | None | **Story Points:** | |
| **Product Version:** | * | | |

**Description**

The CN Service implements the CN APIs and interacts with the CN components (e.g. Mercury and Metacat) to implement the necessary functionality.

Many sub-elements to this:

- Identify technology to be used for the CN service implementation
- Identify the mechanisms for communication between the CN Service and the Metacat instance (used as the object store)
- Implement the CN Service APIs
- Identify and implement scheduling mechanism for retrieving content from MNs
- test retrieval, storage, sysmeta update

**History**

**#1 - 2009-12-18 02:09 - Dave Vieglais**

- Technology will be Java servlet
- Communications with backend will be through metacat client api with precautions to avoid lock in with metacat as the object store technology
- CN Service API implementation is under #152

**#2 - 2010-01-20 16:12 - Dave Vieglais**

- CN service package layout and general design is under #188

**#3 - 2010-04-12 15:31 - Dave Vieglais**

Ongoing iterations on this topic will appear under requirement #408.