During the past few weeks, we finished debugging our problem with NCSA to set up dynamic DNS entries for our Inca server. It required NCSA to send us our public keys (previously they had just sent us our private keys) and updating our DNS bind utilities to a newer version. Unfortunately when we ran the sync of our Inca server mirror on quarry VM back to our primary Inca server at SDSC, we ran into scalability issues with the database syncing method and the current 32 million test entries. Setting up an Inca mirror entails an initial database sync process and then new monitoring results are forwarded from the primary to its “peers“. We are currently experimenting with different VM configurations at SDSC and testing different algorithms. A fallback method will be to manually copy over the database to sync them but then we would need to manually sync whenever there is an outage on either server, which is harder to maintain. We also had a slight setback when our quarry VM went down earlier this week and was reverted to an older version.

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