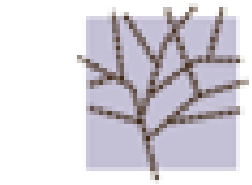

Contribution ID : **2** Type : **Standard Presentation**

Analysis of DNS Server Software Provisioning Performance

Sunday, 14 May 2017 17:30 (0:30)

Content

While metrics comparing the query performance of various DNS software are readily available, similar metrics comparing provisioning performance are not as easily found. Over the last year CIRA's secondary managed DNS platform, D-Zone, experienced large growth with the potential for even more expansion in the next year. Accordingly, we are required to reexamine our current DNS implementation to ensure that our provisioning process will continue to perform at an increased scale. However, there is a scarcity of available data focused on DNS software provisioning performance, which led us to investigate ourselves.

As part of our assessment, we have recently performed testing to examine the provisioning performance of ISC Bind which compared the efficiency of manually provisioning zones via config files to dynamically provisioning zones using rndc commands (addzone, delzone, modzone). We also plan to run similar tests using other name server software - Knot and NSD. This presentation will feature an overview of the testing methodology, a summary of the findings, and proposals for future work.

Summary

Talk Duration

15 Minutes

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Session Classification : Public Workshop: Testing

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