Universität Zürich[UZH]

Communication Systems Group (CSG)

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Exercises in SSDS

Naming and Distributed File Systems

Handout: April 28, 2020
Discussion: April 30, 2020 - 08:15

1. Naming

1.1. What are the Flat naming methods? Is DNS a sample of the Flat naming systems?

1.2. What is an absolute name? What is the effect of merging name spaces on absolute names?

1.3. What is the attribute-based Naming? Bring an example of this method.

1.4. What are Forwarding Pointers? Explain it with an example.

1.5. How does the hierarchical location services are related to naming systems?

2. Distributed File Systems

2.1. What is the Distributed Reference Counting? Explain with bringing an example.

2.2. Explain some of the most important concerns in Network File Systems (NFS).

2.3. What are the differences of the Unix NFS and Andrew NFS?

2.4. Explain the Google file system and specify the role of chunks in this file system.