Extending GSTAR to Support Multicasting and Inter-Domain Routing

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Long Term Goals

- Understanding Generalized Storage Aware Routing (GSTAR) protocol

- Implementing multicasting in intra-domain using the Global Name Resolution Service (GNRS)

- Extending GSTAR to support inter-domain routing

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Work Done in Current Week

- Installed NS-3 and explored the MobilityFirst module

- Explored Orbit and studied basic usage

- Studied and analyzed GSTAR, Hop and currently existing inter-domain routing protocols (BGP,Valley-Free Inter-Domain Routing, Pathlet Routing)

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Work to be Done in the Coming Week

- Install and learn the basics of Click modular router

- Understand GSTAR implementations on Click and NS-3

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