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GENI I Architecture: 4-2) Slice to Exper





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Type 1: Dedicated I&M Service

I&M service, e.g., Measurement Point (MP) service, that is setup as part of a slice, and provides MD only for that slice.

Example: (1642) Instrumentation Tools



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Type 2: Common I&M Service Platform with Multiple Slivers

I&M service platform, e.g., Measurement Point (MP) service, that is setup and managed by a Service Provider, with multiple slivers assigned to multiple slices, which configure and manage the slices

Example: (1628) Measurement System

Type 2: Common I&M Service Platform with Multiple Slivers

I&M service platform, e.g., Measurement Data Archive (MDA) service, that is setup and managed by a Service Provider, with multiple slivers assigned to multiple slices, which configure and manage the slices

Example: (1663) Measurement Data Archive Service



Type 3: Common I&M Service with Measurement Data (MD) to multiple slices

I&M service, e.g., Measurement Point (MP) service, that is setup and managed by a Service Provider, with available Measurement Data (MD) that is registered with a Measurement Information Service in a CH, which can be provided to multiple slices. The MD may or may not be customized for each experiment.

Example: perfSONAR



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Type 4: I&M Service with portal for sharing Meas Data

I&M service, e.g., Meas Analysis and Presentation (MAP) service, that has a portal to allow experimenters and operators to observe Measurement Data

Example: (1642) Instrumentation Tools

I&M service, e.g., Digital Object Archive (DOA) service within Measurement Data Archive (MDA) service, that has a portal to share archived files with researchers

Example: (1663) Digital Object Registry





Type 4: I&M Service with portal for sharing Meas Data