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To the OSPool and Beyond: The guts of the OSDF client

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The Open Science Data Federation (OSDF) delivers petabytes of data each month to workflows running on the OSPool. To do so, one requires a reliable set of client tools. This presentation will take a look "under the hood" of the current OSDF client tooling, covering:

- Discovery of nearby cache instances.
- Acquisition of credentials for transfer, automated or otherwise.
- Experiences maintaining the client in Go.
- Integration with the HTCondor Software Suite.
- Monitoring and telemetry of performance.

Finally, we'll cover the how we plan to make the client more usable, especially in applications beyond the OSPool, over the coming year.

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