

# Security

This page collects some resources and pointers for various efforts underway to add security features to Hive and related projects.



## Authorization modes

The links below refer to the [original Hive authorization mode](#). See [Authorization](#) for an overview of authorization modes, which include [storage based authorization](#) and [SQL standards based authorization](#).

- [Thoughts on security from Venkatesh](#)
- [Howl's approach for persisting and validating DDL authorization via HDFS permissions](#)
- [HIVE-1264: Hadoop security integration](#)
- [THRIFT-889: allow Kerberos authentication over Thrift HTTP](#)
- [THRIFT-876: SASL integration](#)
- [Howl Authorization Proposal](#)
- [Hive Authorization Proposal](#)

Note that Howl was the precursor to [HCatalog](#).