

## Redis Research Summary

- A very fast cache data base
- Very suitable as a primary database
- Based on the idea that a cache can be used as a database
- Much faster than a relational database
- Much less complexity
- It's a multi model database that supports a variety of different types of databases along with modules for specific situation
- Redis supports multiple different formats of data in one database
  - It does this by adding on modules for different varieties of data sources
- We are using redis to store our own loosely structured data, essentially in the document jackson made for spring proposal, there is a description of an object with 4 string parameters, we'd be storing a json as a value in redis, and the key would be some sort of unique key that we can reference later to access that packet object. Basically we'll be using redis as our main storage database
- Redis actually doesn't have any authentication at all. To use redis securely, we'd need to make sure our environment was as secure as possible beforehand
  - Website contains helpful steps on how to achieve this here:  
<https://redis.io/docs/getting-started/> under the Securing Redis title
- Basically, the documentation contains a very thorough guide to starting with Redis, so at this point no need to make more notes. We'll refer to the documentation as necessary:  
<https://redis.io/docs/getting-started/>
- This served mainly as a "what is redis etc etc", it doesn't need to be comprehensive. For the most part after going through the resources I've gotten a thorough understanding of what Redis is and how to use it that I can use on future stories