

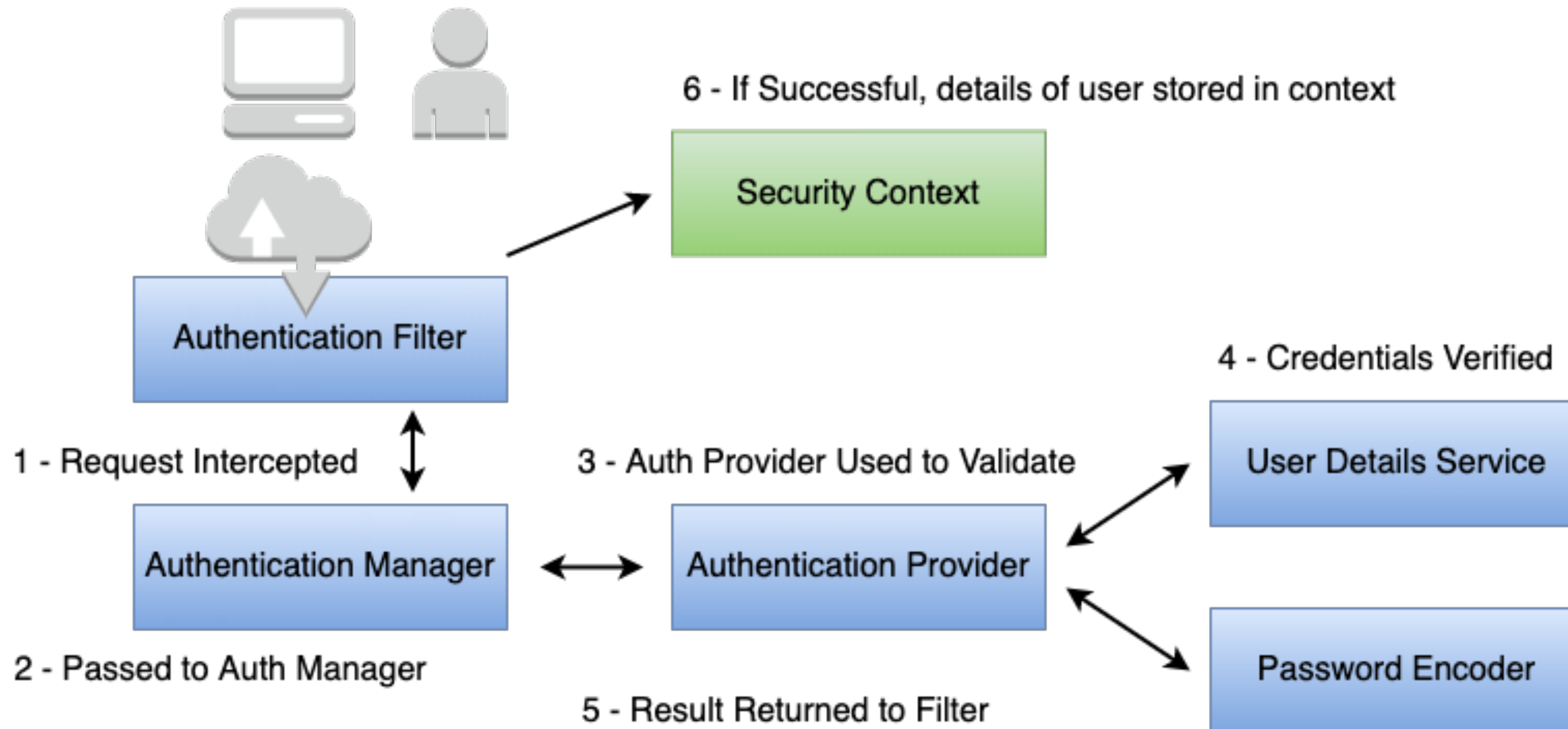


# Spring Security

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Beginner to Guru

Spring Security Authentication Process





## Spring Security Authentication Components

- **Authentication Filter** - A filter for a specific Authentication type in the Spring Security filter chain. (ie basic auth, remember me cookie, etc)
- **Authentication Manager** - Standard API interface used by filter
- **Authentication Provider** - The implementation of Authentication - (in memory, database, etc)
- **User Details Service** - Service to provide information about user
- **Password Encoder** - Service to encrypt and verify passwords
- **Security Context** - Holds details about authenticated entity





## In Memory User Details Manager

- Implements User Details Service
- Used by Spring Boot Auto-configuration
- Non-persistent implementation - uses in-memory map
- Mainly used for testing and demonstration purposes
  - Not normally used in production systems



