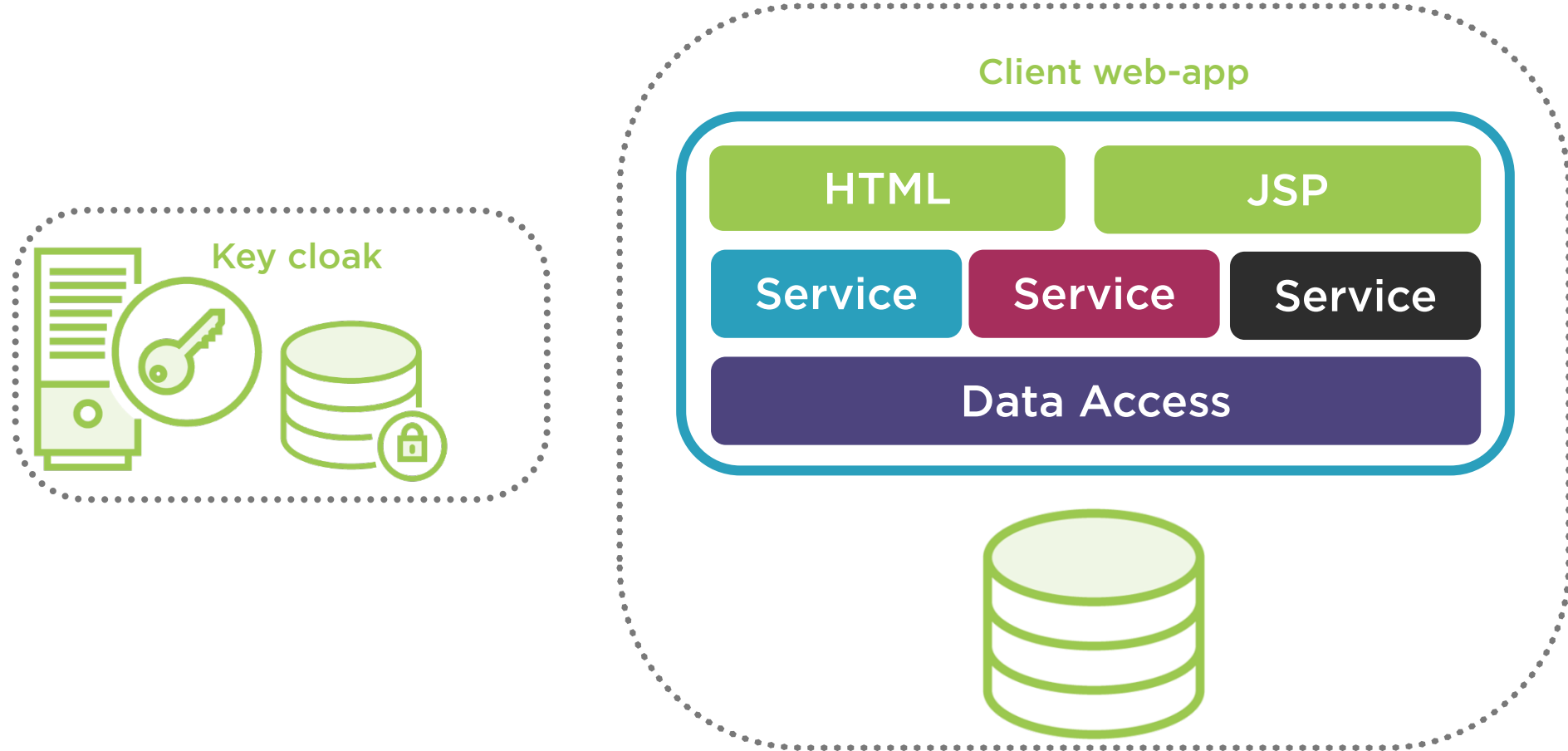


Current State



Modern Application Security Layers



User registration



Login



Security questions



Two-factor
authentication



Authorization



Hashing

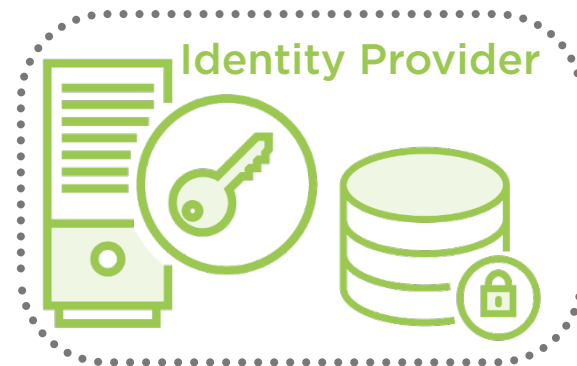




Authenticate



Redirect



`/oauth/authorize/?client_id=CLIENT_ID&redirect_uri=REDIRECT_URL&scope=openid&response_type=code&state=STATE_TOKEN`

Client

`OAuth2AuthorizationRequestRedirectFilter`

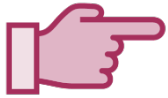


Keycloak



- Java based "Authentication and Authorization" Server
- Since 2013
- Apache opensource License
- Maintained by Red Hat and a large opensource community
- Red Hat SSO – Commercial offering

Features of Keycloak



Single sign-on



Supports all the key protocols: SAML 2.0, Oauth2, and OIDC



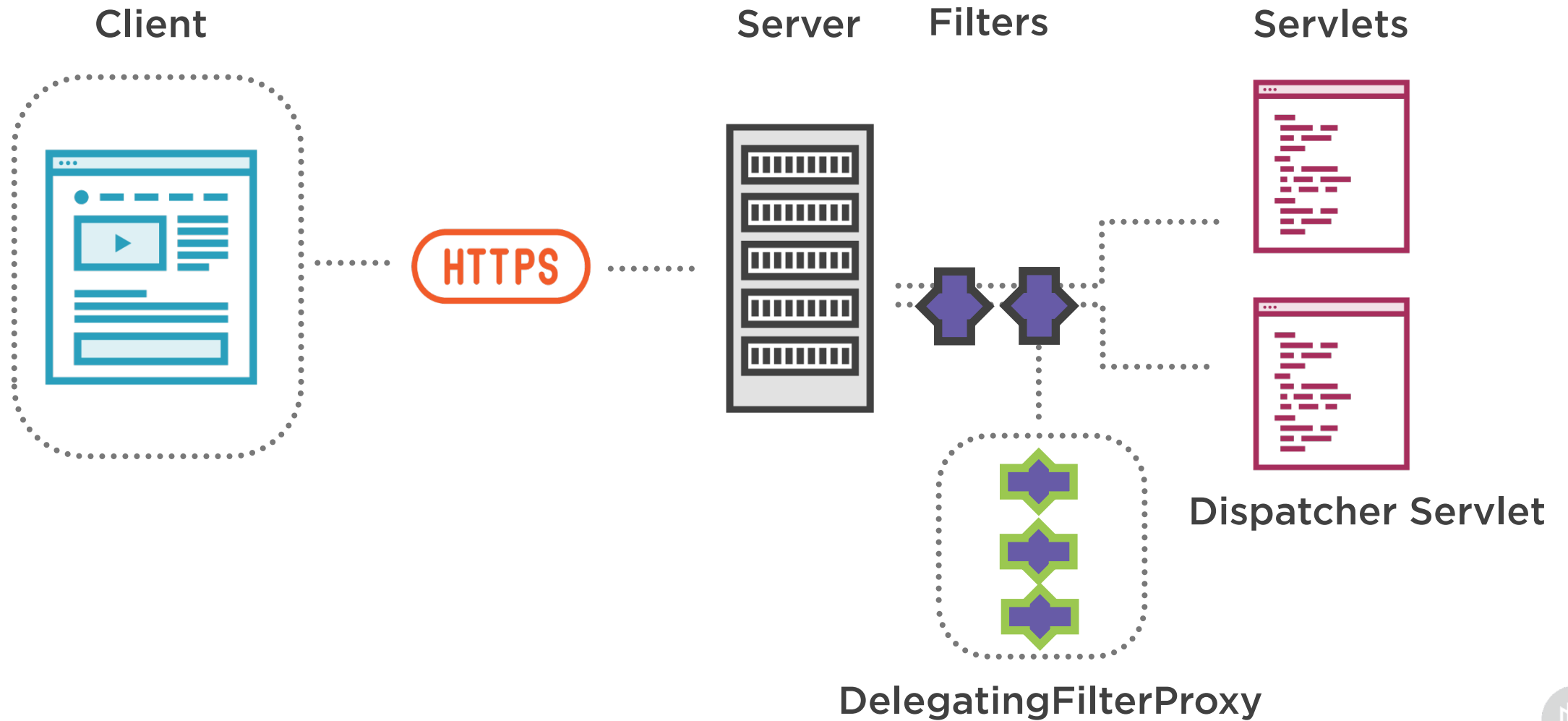
Integrates with Directory services making it easily compatible with your existing Identity stores



Out of the box support for: 2FA, email verification, user registration, social login



Servlets and Filters



Keycloak



Challenges

- Maintenance
- Support
- Keep up to date



Identity as a Service (IDaaS)

The Okta logo consists of the word "okta" in a bold, blue, lowercase sans-serif font.

<https://www.okta.com>



<https://auth0.com/>



Current State

Google

