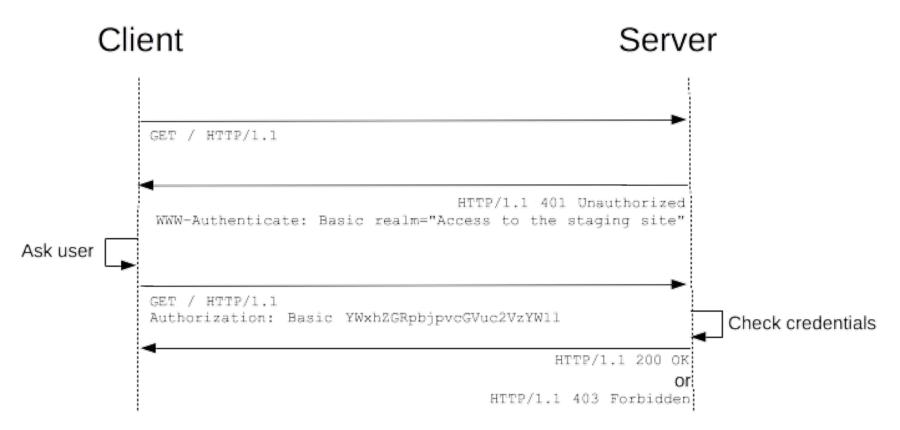


Basic Authentication



Basic authentication (Header)

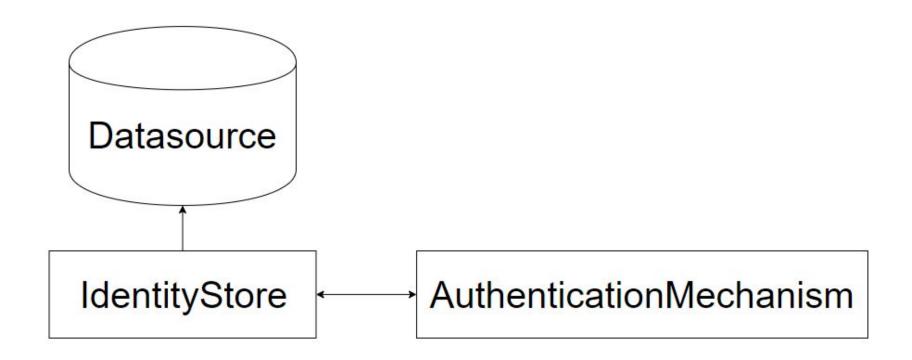
Authorization: Basic username:password

Base64-codiert

Authorization: Basic dXNlcm5hbWU6cGFzc3dvcmQ=

Soteria

Soteria



Identity Store

```
public interface IdentityStore {
    CredentialValidationResult validate(Credential credential);
    Set<String> getCallerGroups(CredentialValidationResult result);
    int priority();
    Set<ValidationType> validationTypes();
    enum ValidationType { VALIDATE, PROVIDE_GROUPS }
}
```

Rückgabewert CredentialValidationResult

```
public class CredentialValidationResult {
    public Status getStatus() {...}
    public CallerPrincipal getCallerPrincipal() {...}
    public Set<String> getCallerGroups() {...}
    public enum Status { NOT_VALIDATED, INVALID, VALID }
}
```

IdentityStore basic implementations

@LdapIdentityStoreDefinition

@DatabaseIdentityStoreDefinition

@EmbeddedIdentityStoreDefinition

AuthenticationMechanism

AuthenticationMechanism "Response"

```
public interface HttpMessageContext {
    boolean isProtected();
    AuthenticationStatus responseUnauthorized();
    AuthenticationStatus responseNotFound();
    AuthenticationStatus notifyContainerAboutLogin(String callername, Set<String> groups);
    AuthenticationStatus doNothing();
}
```

AuthenticationMechanism basic implementation

@BasicAuthenticationMechanismDefinition

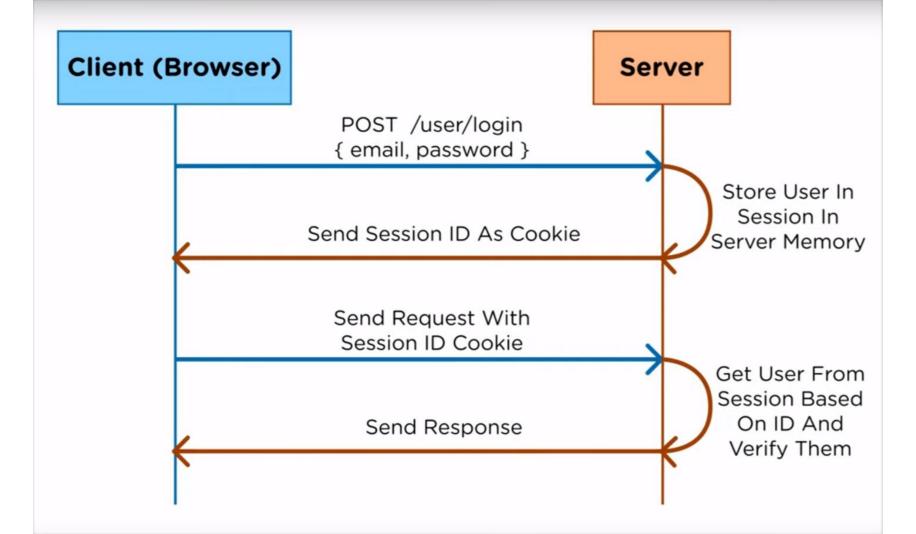
@FormAuthenticationMechanismDefinition

(loginToContinue = @LoginToContinue())

@CustomFormAuthenticationMechanismDefinition

(loginToContinue=@LoginToContinue())

JSON Web Token



Json Web Token Aufbau

HEADER.PAYLOAD.SIGNATURE

https://jwt.io/

bei erhalt dann im Http-Header wie folgt angeben:

Authorization: Bearer <token>

predefined claims (Key:Value)

```
iss
     = Issuer
     = expiration time
exp
sub = subject
aud = audience
nbf
     = Not Before
iat
     = Issued At
```

Json Web Token

- + braucht nur das secret um zu validieren(keine gespeicherten Sessions)
- + mehrer Server -> nicht mehrmals anmelden
- Änderungen machen das Token ungültig

- http://cryto.net/~joepie91/blog/2016/06/13/stop-using-jwt-for-sessions/
- groß
- können nicht gelöscht werden
- kann alte Daten enthalten
- ..