

Item 241

git_comments:

git_commits:

1. **summary:** NIFI-655:

message: NIFI-655: - Adding additional logging when proceeding as an anonymous user.

github_issues:

github_issues_comments:

github_pulls:

github_pulls_comments:

github_pulls_reviews:

jira_issues:

1. **summary:** Provide support for multiple authentication mechanisms

description: NiFi provides a pluggable authorization mechanism but authentication is done only via browser certificates. We should offer support for multiple authentication mechanisms. A feature proposal has been created [1]. Important implementations to support include Active Directory, LDAP, and Kerberos. [1] <https://cwiki.apache.org/confluence/display/NIFI/Pluggable+Authentication>

2. **summary:** Provide support for multiple authentication mechanisms

description: NiFi provides a pluggable authorization mechanism but authentication is done only via browser certificates. We should offer support for multiple authentication mechanisms. A feature proposal has been created [1]. Important implementations to support include Active Directory, LDAP, and Kerberos. [1] <https://cwiki.apache.org/confluence/display/NIFI/Pluggable+Authentication>

3. **summary:** Provide support for multiple authentication mechanisms

description: NiFi provides a pluggable authorization mechanism but authentication is done only via browser certificates. We should offer support for multiple authentication mechanisms. A feature proposal has been created [1]. Important implementations to support include Active Directory, LDAP, and Kerberos. [1] <https://cwiki.apache.org/confluence/display/NIFI/Pluggable+Authentication>

4. **summary:** Provide support for multiple authentication mechanisms

description: NiFi provides a pluggable authorization mechanism but authentication is done only via browser certificates. We should offer support for multiple authentication mechanisms. A feature proposal has been created [1]. Important implementations to support include Active Directory, LDAP, and Kerberos. [1] <https://cwiki.apache.org/confluence/display/NIFI/Pluggable+Authentication>

5. **summary:** Provide support for multiple authentication mechanisms

description: NiFi provides a pluggable authorization mechanism but authentication is done only via browser certificates. We should offer support for multiple authentication mechanisms. A feature proposal has been created [1]. Important implementations to support include Active Directory, LDAP, and Kerberos. [1] <https://cwiki.apache.org/confluence/display/NIFI/Pluggable+Authentication>

6. **summary:** Provide support for multiple authentication mechanisms

description: NiFi provides a pluggable authorization mechanism but authentication is done only via browser certificates. We should offer support for multiple authentication mechanisms. A feature proposal has been created [1]. Important implementations to support include Active Directory, LDAP, and Kerberos. [1] <https://cwiki.apache.org/confluence/display/NIFI/Pluggable+Authentication>

7. **summary:** Provide support for multiple authentication mechanisms

description: NiFi provides a pluggable authorization mechanism but authentication is done only via browser certificates. We should offer support for multiple authentication mechanisms. A feature proposal has been created [1]. Important implementations to support include Active Directory, LDAP, and Kerberos. [1] <https://cwiki.apache.org/confluence/display/NIFI/Pluggable+Authentication>

8. **summary:** Provide support for multiple authentication mechanisms

description: NiFi provides a pluggable authorization mechanism but authentication is done only via browser certificates. We should offer support for multiple authentication mechanisms. A feature proposal

has been created [1]. Important implementations to support include Active Directory, LDAP, and Kerberos. [1] <https://cwiki.apache.org/confluence/display/NIFI/Pluggable+Authentication>

- [illegible]

- [illegible]

- [illegible]

has been created [1]. Important implementations to support include Active Directory, LDAP, and Kerberos. [1] <https://cwiki.apache.org/confluence/display/NIFI/Pluggable+Authentication>

- [illegible]

description: NiFi provides a pluggable authorization mechanism but authentication is done only via browser certificates. We should offer support for multiple authentication mechanisms. A feature proposal has been created [1]. Important implementations to support include Active Directory, LDAP, and Kerberos. [1] <https://cwiki.apache.org/confluence/display/NIFI/Pluggable+Authentication>

- [illegible]

- [illegible]

- [illegible]

jira_issues_comments:

1. Commit 6104670735325492fd58ca12d123a061818d62cd in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=6104670>] NIFI-655: - Refactoring web security to use Spring Security Java Configuration. - Introducing security in Web UI in order to get JWT.
2. Commit 5b658143adcfe66359d738c71d03098e68c6d58e in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=5b65814>] NIFI-655: - Setting up the resources (js/css) for the login page.
3. Commit d21d8f31691a51e5bb4bb2523f1356513d547372 in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=d21d8f3>] NIFI-655: - Adding support for configuring anonymous roles. - Addressing checkstyle violations.
4. Commit 852dbea9501c307f50fb464c6dcfb9be6de9fb59 in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=852dbea>] NIFI-655: - Moving to token api to web-api. - Creating an LoginProvider API for user/pass based authentication. - Creating a module for funneling access to the authorized users.
5. Commit e7a5e1822163e065fb72c889fcad6f038807e9f7 in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=e7a5e18>] NIFI-655: - Creating an endpoint for returning the identity of the current user. - Updating the LoginAuthenticationFilter.
6. Commit ade5dc9baccb55f9675d6ff64097c26a318f7da2 in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=ade5dc9>] NIFI-655: - Moving NiFi registration to the login page. - Running the authentication filters in a different order to ensure we can disambiguate each case. - Starting to layout each case... Forbidden, Login, Create User, Create NiFi Account.
7. Commit 5e341214a61519eff53596782e78eb1b82a32da6 in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=5e34121>] NIFI-655: - Addressing checkstyle issues.
8. Commit 7f9807f461be110e051ce367569b690787b5e5b6 in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=7f9807f>] NIFI-655: - Making nf-storage available in the login page. - Requiring use of local storage. - Ignoring security for GET requests when obtaining the login configuration.
9. Commit 71d84117e4a3b67a90d9c83f2ff3f27bcdea6b95 in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=71d8411>] NIFI-655: - Adding a new endpoint to obtain the status of a user registration. - Updated the login page loading to ensure all possible states work.
10. Commit ed27ed04498bd6f0f5c3b65c403aaca19954286a in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=ed27ed0>] NIFI-655: - Ensuring we know the necessary state before we attempt to render the login page. - Building the proxy chain in the JWT authentication filter. - Only rendering the login when appropriate.
11. Commit 7799deea1543d3ba0a6b70cdc0611c968d38b90 in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=7799dee>] NIFI-655: - Starting to style the login page. - Added simple 'login' support by identifying username/password. Issuing JWT token coming... - Added logout support - Rendering the username when appropriate.
12. Commit 2214592865da1eda532e6a312b8ab9bf986d7aa3 in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=2214592>] NIFI-655: - Extracting certificate validation into a utility class. - Fixing checkstyle issues. - Cleaning up the web security context. - Removing proxy chain checking where possible.
13. Commit 93aa09dace01c2abe301ee7781cc8ab54b48197a in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=93aa09d>] NIFI-655: - Starting to add support for registration. - Creating registration form.
14. Commit b6d09b86b6b0b6873dda192d28e704653ac9522d in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=b6d09b8>] NIFI-655: - Starting to implement the JWT service. - Parsing JWT on client side in order to render who the user currently is when logged in.
15. Commit 06a4736a58da5070259142e3716e24c9bc14b282 in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=06a4736>] NIFI-655: - Allowing the user to link back to the log in page from the new account page. - Renaming DN to identity where possible.
16. Commit d41b83c19b6a1fb26b0925f896d1af7eef9e99d9 in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=d41b83c>] NIFI-655: - Fixing checkstyle issues.

17. Commit d47c00f00e8ea28e023b393cec97cb81ea382a1d in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=d47c00f>] NIFI-655: - Adding more/better support for logging out.
18. Commit 018c0864e3431bc288adbfd0d6675541cb5243e3 in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=018c086>] NIFI-655: - Fixing checkstyle issues.
19. Commit 3cf3addd85e3734e089d5d41df8075a7a5b5b9f7 in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=3cf3add>] NIFI-655: - Adding a few new exceptions for the login identity provider.
20. Commit bed35d81a5e9c9a9baf0f7f1e7f3caec392d6f2e in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=bed35d8>] NIFI-655: - Disabling log in by default initially. - Restoring authorization service unit test.
21. Commit 1350483d36e2d4b40c207bc4b365f348c2c536fc in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=1350483>] NIFI-655: - Fixing checkstyle issues.
22. Commit efa1939fc551f4d02de61718e72e1bc896320350 in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=efa1939>] NIFI-655: - Updating packages for log in filters. - Handling new registration exceptions. - Code clean up.
23. Just discussed the progress of this ticket with [~joewitt]. Based off that discussion, we are going to remove support for registration. By supporting registration, we would be introducing new concerns for managing user profiles, password change policies, password resets, storage, etc. These policies should be driven by an organization and not managed in or through NiFi. Instead, we are going to focus on adding more support for authentication options based on username/password.
24. Commit f2505604744f92b1da8bf761bd9027f2fbd03efc in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=f250560>] NIFI-655: - Removing registration support. - Removing file based implementation.
25. Commit 7851a4f506604e63b021845c7f6fd905b77e94a9 in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=7851a4f>] NIFI-655: - Removing file based implementation.
26. Commit 1925392a988b09eac83efd83210c9b0679b81bd5 in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=1925392>] NIFI-655: - Removing unused spring configuration files.
27. Commit a16d8c35c9ae21675a25b034cf20bac0e7c35489 in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=a16d8c3>] NIFI-655: - Making the auto wiring more explicit.
28. Commit e2f7eba7cf9b125a39793cd6e4e08f6c6050f1ee in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=e2f7eba>] NIFI-655: - Removing unused dependencies.
29. Commit 2e158d15bea0749e5437559403a7ef6657c756fd in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=2e158d1>] NIFI-655: - Removing unused filter.
30. Commit e61ccea7a040683d20e808531c79056a6724657d in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=e61ccea>] NIFI-655: - Updating the login API authenticate method to use a richer set of exceptions. - UI code clean.
31. Commit 0281e2773f3a8942c3794b0945675ef9336e8c28 in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=0281e27>] NIFI-655: - Ensuring the login identity provider is able to switch context classloaders via the standard NAR mechanisms.
32. Commit cfee612a78e4256fc0295e6ad1315ba26996ed94 in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=cfee612>] NIFI-655: - Initial commit of the LDAP based identity providers. - Fixed issue when attempting to log into a NiFi that does not support new account requests.
33. Commit b3ae3e31497f2d6810c202ca0130f398c2f170ca in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=b3ae3e3>] NIFI-655: - Allowing the ldap provider to specify if client authentication is required/desired.
34. Commit 5ce44b1fe29fa9583c2b68b76bc1591af08104ee in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=5ce44b1>] NIFI-655: - Persisting keys to sign user tokens. - Allowing the identity provider to specify the token expiration. - Code clean up.
35. Commit 6f82802f7a22bf0cb92a28d1ba0ebb2ea36ad85a in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=6f82802>] NIFI-655: - Ensuring

identities are unique in the key table.

36. Commit 09cb6088595918b87753ca4281180e99dc106baa in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=09cb608>] NIFI-655: - Adding support for specifying the user search base and user search filter in the active directory provider.
37. Commit 06cb7cfc108fd7809e17d8b627fd680836f42ac7 in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=06cb7cf>] NIFI-655: - Fixing checkstyle issues.
38. Commit 749f4e9be16e63b27c35052c0535546ad9853341 in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=749f4e9>] NIFI-655: - Adding automatic client side token renewal.
39. Commit c659485ee433271ed8bdac37b5e42b32afcf0feb in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=c659485>] NIFI-655: - Ensuring the logout link is rendered when appropriate.
40. Commit 9ccf61aff1ed70534e0d819d8f160990ca5cc35a in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=9ccf61a>] NIFI-655: - Adding configuration options for referrals and connect/read timeouts
41. Commit 7529694f23cf46f977f7f1210f91ec4636f35e3e in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=7529694>] NIFI-655: - Added an endpoint for access details including configuration, creating tokens, and checking status. - Updated DTOs and client side to utilize new endpoints.
42. Commit a196207725a37aecaccc8c7858cec3a4d1c4ff55 in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=a196207>] NIFI-655: - Refactoring certificate extraction and validation. - Refactoring how expiration is specified in the login identity providers. - Adding unit tests for the access endpoints. - Code clean up.
43. Commit 4bb8b137f09219ecc7fbc81a25a3079140745b7e in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=4bb8b13>] NIFI-655: - Keeping token expiration between 1 minute and 12 hours.
44. Commit 16608aa850c7e2e4b85342cb749f8a83bed54041 in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=16608aa>] NIFI-655: - Using the user identity provided by the login identity provider.
45. Commit 45b24a4b6015e14525da0feb93d0a3dbc98180f1 in nifi's branch refs/heads/NIFI-655 from Andy LoPresto [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=45b24a4>] NIFI-655: - Fixed typo in error message for unrecognized authentication strategy. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com>
46. Commit caeede5773ac75061049a1c792a7b15188cae098 in nifi's branch refs/heads/NIFI-655 from Andy LoPresto [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=caeede5>] NIFI-655. - Added logback-test.xml configuration resource for nifi-web-security. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com>
47. Commit 3bc11e13d7f7dd4242881cde03c9b2ff6fc7da02 in nifi's branch refs/heads/NIFI-655 from Andy LoPresto [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=3bc11e1>] NIFI-655. - Added issuer field to LoginAuthenticationToken. - Updated AccessResource to pass identity provider class name when creating LoginAuthenticationTokens. - Began refactoring JWT logic from request parsing logic in JwtService. - Added unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com>
48. Commit 7d04dfeac012307201e84dd00883dd6a79e6e2cc in nifi's branch refs/heads/NIFI-655 from Andy LoPresto [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=7d04dfe>] NIFI-655. - Changed issuer field to use FQ class name because some classes return an empty string for getSimpleName(). - Finished refactoring JWT logic from request parsing logic in JwtService. - Updated AccessResource and JwtAuthenticationFilter to call new JwtService methods decoupled from request header parsing. - Added extensive unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com>
49. Commit c94d0271d990df6d6cd9a1dfee7b1706f451483c in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=c94d027>] NIFI-655: - Refactoring key service to expose the key id. - Handling client side expiration better. - Removing specialized active directory provider and abstract ldap provider.
50. Commit 0fa68a5bac79178836e02627d0030e595a1d8348 in nifi's branch refs/heads/NIFI-655 from Andy LoPresto [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=0fa68a5>] NIFI-655. - Updated JwtService and JwtServiceTest to use Key POJO instead of raw String key from KeyService. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com>
51. **body:** Commit 3da198135e432341eba36b072dfd0f7f6395b4c6 in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=3da1981>] NIFI-655: - Fixing typo

when loading the ldap connect timeout. - Providing a better experience for session expiration. - Using ellipsis for lengthy user name. - Adding an issuer to the authentication response so the LIP can specify the appropriate value.

label: documentation

52. Commit 242949ee98836794fd18d2503c275c84bfd41a9f in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=242949e>] NIFI-655: - Showing a logging in notification during the log in process.
53. Commit 2a0439ca06b81b27cbbcd2058307af778169d9e6 in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=2a0439c>] NIFI-655: - Fixing checkstyle issues. - Showing the progress spinner while submitting account justification.
54. Commit 48c65e0498b1288729a99bff6247522c982134f0 in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=48c65e0>] NIFI-655: - Removing deprecated authentication strategy. - Renaming TLS to START_TLS. - Allowing the protocol to be configured.
55. Commit 91573cb807f6399cebb8ce8d19fad1758578811c in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=91573cb>] NIFI-655: - Fixing issue detecting the presence of DN column
56. Commit e61a36908917c4053417cf2717acdc4711962b2b in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=e61a369>] NIFI-655: - Pre-populating the login-identity-providers.xml file with necessary properties and documentation. - Renaming the Authentication Duration property name.
57. Commit ec50a2de8c6901bff366539ace328443a2664209 in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=ec50a2d>] NIFI-655: - Updating documentation for the failure response codes.
58. Commit 5ef53b6fe349c1eb2a1f5d5b91435a5745f57571 in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=5ef53b6>] NIFI-655: - Ensuring the user identity is not too long.
59. Commit aaf14c45c96077c0075af8f3442e392b717244c1 in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=aaf14c4>] NIFI-655: - Refactoring web security to use Spring Security Java Configuration. - Introducing security in Web UI in order to get JWT. NIFI-655: - Setting up the resources (js/css) for the login page. NIFI-655: - Adding support for configuring anonymous roles. - Addressing checkstyle violations. NIFI-655: - Moving to token api to web-api. - Creating an LoginProvider API for user/pass based authentication. - Creating a module for funneling access to the authorized users. NIFI-655: - Moving away from usage of DN to identity throughout the application (from the user db to the authorization provider). - Updating the authorized users schema to support login users. - Creating an extension point for authentication of users based on username/password. NIFI-655: - Creating an endpoint for returning the identity of the current user. - Updating the LoginAuthenticationFilter. NIFI-655: - Moving NiFi registration to the login page. - Running the authentication filters in a different order to ensure we can disambiguate each case. - Starting to layout each case... Forbidden, Login, Create User, Create NiFi Account. NIFI-655: - Addressing checkstyle issues. NIFI-655: - Making nf-storage available in the login page. - Requiring use of local storage. - Ignoring security for GET requests when obtaining the login configuration. NIFI-655: - Adding a new endpoint to obtain the status of a user registration. - Updated the login page loading to ensure all possible states work. NIFI-655: - Ensuring we know the necessary state before we attempt to render the login page. - Building the proxy chain in the JWT authentication filter. - Only rendering the login when appropriate. NIFI-655: - Starting to style the login page. - Added simple 'login' support by identifying username/password. Issuing JWT token coming... - Added logout support - Rendering the username when appropriate. NIFI-655: - Extracting certificate validation into a utility class. - Fixing checkstyle issues. - Cleaning up the web security context. - Removing proxy chain checking where possible. NIFI-655: - Starting to add support for registration. - Creating registration form. NIFI-655: - Starting to implement the JWT service. - Parsing JWT on client side in order to render who the user currently is when logged in. NIFI-655: - Allowing the user to link back to the log in page from the new account page. - Renaming DN to identity where possible. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding more/better support for logging out. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding a few new exceptions for the login identity provider. NIFI-655: - Disabling log in by default initially. - Restoring authorization service unit test. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Updating packages for log in filters. - Handling new registration exceptions. - Code clean up. NIFI-655: - Removing registration support. - Removing file based implementation. NIFI-655: - Removing file based implementation. NIFI-655: - Removing unused spring configuration files. NIFI-655: - Making the auto wiring more explicit. NIFI-

655: - Removing unused dependencies. NIFI-655: - Removing unused filter. NIFI-655: - Updating the login API authenticate method to use a richer set of exceptions. - UI code clean. NIFI-655: - Ensuring the login identity provider is able to switch context classloaders via the standard NAR mechanisms. NIFI-655: - Initial commit of the LDAP based identity providers. - Fixed issue when attempting to log into a NiFi that does not support new account requests. NIFI-655: - Allowing the ldap provider to specify if client authentication is required/desired. NIFI-655: - Persisting keys to sign user tokens. - Allowing the identity provider to specify the token expiration. - Code clean up. NIFI-655: - Ensuring identities are unique in the key table. NIFI-655: - Adding support for specifying the user search base and user search filter in the active directory provider. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding automatic client side token renewal. NIFI-655: - Ensuring the logout link is rendered when appropriate. NIFI-655: - Adding configuration options for referrals and connect/read timeouts NIFI-655: - Added an endpoint for access details including configuration, creating tokens, and checking status. - Updated DTOs and client side to utilize new endpoints. NIFI-655: - Refactoring certificate extraction and validation. - Refactoring how expiration is specified in the login identity providers. - Adding unit tests for the access endpoints. - Code clean up. NIFI-655: - Keeping token expiration between 1 minute and 12 hours. NIFI-655: - Using the user identity provided by the login identity provider. NIFI-655: - Fixed typo in error message for unrecognized authentication strategy. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added logback-test.xml configuration resource for nifi-web-security. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added issuer field to LoginAuthenticationToken. - Updated AccessResource to pass identity provider class name when creating LoginAuthenticationTokens. - Began refactoring JWT logic from request parsing logic in JwtService. - Added unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Changed issuer field to use FQ class name because some classes return an empty string for getSimpleName(). - Finished refactoring JWT logic from request parsing logic in JwtService. - Updated AccessResource and JwtAuthenticationFilter to call new JwtService methods decoupled from request header parsing. - Added extensive unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Refactoring key service to expose the key id. - Handling client side expiration better. - Removing specialized active directory provider and abstract ldap provider. NIFI-655. - Updated JwtService and JwtServiceTest to use Key POJO instead of raw String key from KeyService. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Fixing typo when loading the ldap connect timeout. - Providing a better experience for session expiration. - Using ellipsis for lengthy user name. - Adding an issuer to the authentication response so the LIP can specify the appropriate value. NIFI-655: - Showing a logging in notification during the log in process. NIFI-655: - Removing unnecessary class. NIFI-655: - Fixing checkstyle issues. - Showing the progress spinner while submitting account justification. NIFI-655: - Removing deprecated authentication strategy. - Renaming TLS to START_TLS. - Allowing the protocol to be configured. NIFI-655: - Fixing issue detecting the presence of DN column NIFI-655: - Pre-populating the login-identity-providers.xml file with necessary properties and documentation. - Renaming the Authentication Duration property name. NIFI-655: - Updating documentation for the failure response codes. NIFI-655: - Ensuring the user identity is not too long. NIFI-655: - Updating default authentication expiration to 12 hours. NIFI-655: - Remaining on the login form when there is any unsuccessful login attempt. - Fixing checkstyle issues.

60. Commit aaf14c45c96077c0075af8f3442e392b717244c1 in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=aaf14c4>] NIFI-655: - Refactoring web security to use Spring Security Java Configuration. - Introducing security in Web UI in order to get JWT. NIFI-655: - Setting up the resources (js/css) for the login page. NIFI-655: - Adding support for configuring anonymous roles. - Addressing checkstyle violations. NIFI-655: - Moving to token api to web-api. - Creating an LoginProvider API for user/pass based authentication. - Creating a module for funneling access to the authorized users. NIFI-655: - Moving away from usage of DN to identity throughout the application (from the user db to the authorization provider). - Updating the authorized users schema to support login users. - Creating an extension point for authentication of users based on username/password. NIFI-655: - Creating an endpoint for returning the identity of the current user. - Updating the LoginAuthenticationFilter. NIFI-655: - Moving NiFi registration to the login page. - Running the authentication filters in a different order to ensure we can disambiguate each case. - Starting to layout each case... Forbidden, Login, Create User, Create NiFi Account. NIFI-655: - Addressing checkstyle issues. NIFI-655: - Making nf-storage available in the login page. - Requiring use of local storage. - Ignoring security for GET requests when obtaining the login configuration. NIFI-655: - Adding a new endpoint to obtain the status of a user registration. - Updated the login page loading to ensure all possible states work. NIFI-655: - Ensuring we know the necessary state before we attempt to render the login page. - Building the proxy chain in the JWT authentication filter. - Only rendering the login when appropriate. NIFI-655: - Starting to style the login page. - Added simple 'login' support by identifying

username/password. Issuing JWT token coming... - Added logout support - Rendering the username when appropriate. NIFI-655: - Extracting certificate validation into a utility class. - Fixing checkstyle issues. - Cleaning up the web security context. - Removing proxy chain checking where possible. NIFI-655: - Starting to add support for registration. - Creating registration form. NIFI-655: - Starting to implement the JWT service. - Parsing JWT on client side in order to render who the user currently is when logged in. NIFI-655: - Allowing the user to link back to the log in page from the new account page. - Renaming DN to identity where possible. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding more/better support for logging out. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding a few new exceptions for the login identity provider. NIFI-655: - Disabling log in by default initially. - Restoring authorization service unit test. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Updating packages for log in filters. - Handling new registration exceptions. - Code clean up. NIFI-655: - Removing registration support. - Removing file based implementation. NIFI-655: - Removing file based implementation. NIFI-655: - Removing unused spring configuration files. NIFI-655: - Making the auto wiring more explicit. NIFI-655: - Removing unused dependencies. NIFI-655: - Removing unused filter. NIFI-655: - Updating the login API authenticate method to use a richer set of exceptions. - UI code clean. NIFI-655: - Ensuring the login identity provider is able to switch context classloaders via the standard NAR mechanisms. NIFI-655: - Initial commit of the LDAP based identity providers. - Fixed issue when attempting to log into a NiFi that does not support new account requests. NIFI-655: - Allowing the ldap provider to specify if client authentication is required/desired. NIFI-655: - Persisting keys to sign user tokens. - Allowing the identity provider to specify the token expiration. - Code clean up. NIFI-655: - Ensuring identities are unique in the key table. NIFI-655: - Adding support for specifying the user search base and user search filter in the active directory provider. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding automatic client side token renewal. NIFI-655: - Ensuring the logout link is rendered when appropriate. NIFI-655: - Adding configuration options for referrals and connect/read timeouts NIFI-655: - Added an endpoint for access details including configuration, creating tokens, and checking status. - Updated DTOs and client side to utilize new endpoints. NIFI-655: - Refactoring certificate extraction and validation. - Refactoring how expiration is specified in the login identity providers. - Adding unit tests for the access endpoints. - Code clean up. NIFI-655: - Keeping token expiration between 1 minute and 12 hours. NIFI-655: - Using the user identity provided by the login identity provider. NIFI-655: - Fixed typo in error message for unrecognized authentication strategy. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added logback-test.xml configuration resource for nifi-web-security. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added issuer field to LoginAuthenticationToken. - Updated AccessResource to pass identity provider class name when creating LoginAuthenticationTokens. - Began refactoring JWT logic from request parsing logic in JwtService. - Added unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Changed issuer field to use FQ class name because some classes return an empty string for getSimpleName(). - Finished refactoring JWT logic from request parsing logic in JwtService. - Updated AccessResource and JwtAuthenticationFilter to call new JwtService methods decoupled from request header parsing. - Added extensive unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Refactoring key service to expose the key id. - Handling client side expiration better. - Removing specialized active directory provider and abstract ldap provider. NIFI-655. - Updated JwtService and JwtServiceTest to use Key POJO instead of raw String key from KeyService. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Fixing typo when loading the ldap connect timeout. - Providing a better experience for session expiration. - Using ellipsis for lengthy user name. - Adding an issuer to the authentication response so the LIP can specify the appropriate value. NIFI-655: - Showing a logging in notification during the log in process. NIFI-655: - Removing unnecessary class. NIFI-655: - Fixing checkstyle issues. - Showing the progress spinner while submitting account justification. NIFI-655: - Removing deprecated authentication strategy. - Renaming TLS to START_TLS. - Allowing the protocol to be configured. NIFI-655: - Fixing issue detecting the presence of DN column NIFI-655: - Pre-populating the login-identity-providers.xml file with necessary properties and documentation. - Renaming the Authentication Duration property name. NIFI-655: - Updating documentation for the failure response codes. NIFI-655: - Ensuring the user identity is not too long. NIFI-655: - Updating default authentication expiration to 12 hours. NIFI-655: - Remaining on the login form when there is any unsuccessful login attempt. - Fixing checkstyle issues.

61. Commit aaf14c45c96077c0075af8f3442e392b717244c1 in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=aaf14c4>] NIFI-655: - Refactoring web security to use Spring Security Java Configuration. - Introducing security in Web UI in order to get JWT. NIFI-655: - Setting up the resources (js/css) for the login page. NIFI-655: - Adding support for configuring anonymous roles. - Addressing checkstyle violations. NIFI-655: - Moving to token api to web-api. - Creating an LoginProvider API for user/pass based authentication. - Creating a module for

funneling access to the authorized users. NIFI-655: - Moving away from usage of DN to identity throughout the application (from the user db to the authorization provider). - Updating the authorized users schema to support login users. - Creating an extension point for authentication of users based on username/password. NIFI-655: - Creating an endpoint for returning the identity of the current user. - Updating the LoginAuthenticationFilter. NIFI-655: - Moving NiFi registration to the login page. - Running the authentication filters in a different order to ensure we can disambiguate each case. - Starting to layout each case... Forbidden, Login, Create User, Create NiFi Account. NIFI-655: - Addressing checkstyle issues. NIFI-655: - Making nf-storage available in the login page. - Requiring use of local storage. - Ignoring security for GET requests when obtaining the login configuration. NIFI-655: - Adding a new endpoint to obtain the status of a user registration. - Updated the login page loading to ensure all possible states work. NIFI-655: - Ensuring we know the necessary state before we attempt to render the login page. - Building the proxy chain in the JWT authentication filter. - Only rendering the login when appropriate. NIFI-655: - Starting to style the login page. - Added simple 'login' support by identifying username/password. Issuing JWT token coming... - Added logout support - Rendering the username when appropriate. NIFI-655: - Extracting certificate validation into a utility class. - Fixing checkstyle issues. - Cleaning up the web security context. - Removing proxy chain checking where possible. NIFI-655: - Starting to add support for registration. - Creating registration form. NIFI-655: - Starting to implement the JWT service. - Parsing JWT on client side in order to render who the user currently is when logged in. NIFI-655: - Allowing the user to link back to the log in page from the new account page. - Renaming DN to identity where possible. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding more/better support for logging out. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding a few new exceptions for the login identity provider. NIFI-655: - Disabling log in by default initially. - Restoring authorization service unit test. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Updating packages for log in filters. - Handling new registration exceptions. - Code clean up. NIFI-655: - Removing registration support. - Removing file based implementation. NIFI-655: - Removing file based implementation. NIFI-655: - Removing unused spring configuration files. NIFI-655: - Making the auto wiring more explicit. NIFI-655: - Removing unused dependencies. NIFI-655: - Removing unused filter. NIFI-655: - Updating the login API authenticate method to use a richer set of exceptions. - UI code clean. NIFI-655: - Ensuring the login identity provider is able to switch context classloaders via the standard NAR mechanisms. NIFI-655: - Initial commit of the LDAP based identity providers. - Fixed issue when attempting to log into a NiFi that does not support new account requests. NIFI-655: - Allowing the ldap provider to specify if client authentication is required/desired. NIFI-655: - Persisting keys to sign user tokens. - Allowing the identity provider to specify the token expiration. - Code clean up. NIFI-655: - Ensuring identities are unique in the key table. NIFI-655: - Adding support for specifying the user search base and user search filter in the active directory provider. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding automatic client side token renewal. NIFI-655: - Ensuring the logout link is rendered when appropriate. NIFI-655: - Adding configuration options for referrals and connect/read timeouts NIFI-655: - Added an endpoint for access details including configuration, creating tokens, and checking status. - Updated DTOs and client side to utilize new endpoints. NIFI-655: - Refactoring certificate extraction and validation. - Refactoring how expiration is specified in the login identity providers. - Adding unit tests for the access endpoints. - Code clean up. NIFI-655: - Keeping token expiration between 1 minute and 12 hours. NIFI-655: - Using the user identity provided by the login identity provider. NIFI-655: - Fixed typo in error message for unrecognized authentication strategy. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added logback-test.xml configuration resource for nifi-web-security. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added issuer field to LoginAuthenticationToken. - Updated AccessResource to pass identity provider class name when creating LoginAuthenticationTokens. - Began refactoring JWT logic from request parsing logic in JwtService. - Added unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Changed issuer field to use FQ class name because some classes return an empty string for getSimpleName(). - Finished refactoring JWT logic from request parsing logic in JwtService. - Updated AccessResource and JwtAuthenticationFilter to call new JwtService methods decoupled from request header parsing. - Added extensive unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Refactoring key service to expose the key id. - Handling client side expiration better. - Removing specialized active directory provider and abstract ldap provider. NIFI-655. - Updated JwtService and JwtServiceTest to use Key POJO instead of raw String key from KeyService. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Fixing typo when loading the ldap connect timeout. - Providing a better experience for session expiration. - Using ellipsis for lengthy user name. - Adding an issuer to the authentication response so the LIP can specify the appropriate value. NIFI-655: - Showing a logging in notification during the log in process. NIFI-655: - Removing unnecessary class. NIFI-655: - Fixing checkstyle issues. - Showing the progress

spinner while submitting account justification. NIFI-655: - Removing deprecated authentication strategy. - Renaming TLS to START_TLS. - Allowing the protocol to be configured. NIFI-655: - Fixing issue detecting the presence of DN column NIFI-655: - Pre-populating the login-identity-providers.xml file with necessary properties and documentation. - Renaming the Authentication Duration property name. NIFI-655: - Updating documentation for the failure response codes. NIFI-655: - Ensuring the user identity is not too long. NIFI-655: - Updating default authentication expiration to 12 hours. NIFI-655: - Remaining on the login form when there is any unsuccessful login attempt. - Fixing checkstyle issues.

62. Commit aaf14c45c96077c0075af8f3442e392b717244c1 in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=aaf14c4>] NIFI-655: - Refactoring web security to use Spring Security Java Configuration. - Introducing security in Web UI in order to get JWT. NIFI-655: - Setting up the resources (js/css) for the login page. NIFI-655: - Adding support for configuring anonymous roles. - Addressing checkstyle violations. NIFI-655: - Moving to token api to web-api. - Creating an LoginProvider API for user/pass based authentication. - Creating a module for funneling access to the authorized users. NIFI-655: - Moving away from usage of DN to identity throughout the application (from the user db to the authorization provider). - Updating the authorized users schema to support login users. - Creating an extension point for authentication of users based on username/password. NIFI-655: - Creating an endpoint for returning the identity of the current user. - Updating the LoginAuthenticationFilter. NIFI-655: - Moving NiFi registration to the login page. - Running the authentication filters in a different order to ensure we can disambiguate each case. - Starting to layout each case... Forbidden, Login, Create User, Create NiFi Account. NIFI-655: - Addressing checkstyle issues. NIFI-655: - Making nf-storage available in the login page. - Requiring use of local storage. - Ignoring security for GET requests when obtaining the login configuration. NIFI-655: - Adding a new endpoint to obtain the status of a user registration. - Updated the login page loading to ensure all possible states work. NIFI-655: - Ensuring we know the necessary state before we attempt to render the login page. - Building the proxy chain in the JWT authentication filter. - Only rendering the login when appropriate. NIFI-655: - Starting to style the login page. - Added simple 'login' support by identifying username/password. Issuing JWT token coming... - Added logout support - Rendering the username when appropriate. NIFI-655: - Extracting certificate validation into a utility class. - Fixing checkstyle issues. - Cleaning up the web security context. - Removing proxy chain checking where possible. NIFI-655: - Starting to add support for registration. - Creating registration form. NIFI-655: - Starting to implement the JWT service. - Parsing JWT on client side in order to render who the user currently is when logged in. NIFI-655: - Allowing the user to link back to the log in page from the new account page. - Renaming DN to identity where possible. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding more/better support for logging out. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding a few new exceptions for the login identity provider. NIFI-655: - Disabling log in by default initially. - Restoring authorization service unit test. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Updating packages for log in filters. - Handling new registration exceptions. - Code clean up. NIFI-655: - Removing registration support. - Removing file based implementation. NIFI-655: - Removing file based implementation. NIFI-655: - Removing unused spring configuration files. NIFI-655: - Making the auto wiring more explicit. NIFI-655: - Removing unused dependencies. NIFI-655: - Removing unused filter. NIFI-655: - Updating the login API authenticate method to use a richer set of exceptions. - UI code clean. NIFI-655: - Ensuring the login identity provider is able to switch context classloaders via the standard NAR mechanisms. NIFI-655: - Initial commit of the LDAP based identity providers. - Fixed issue when attempting to log into a NiFi that does not support new account requests. NIFI-655: - Allowing the ldap provider to specify if client authentication is required/desired. NIFI-655: - Persisting keys to sign user tokens. - Allowing the identity provider to specify the token expiration. - Code clean up. NIFI-655: - Ensuring identities are unique in the key table. NIFI-655: - Adding support for specifying the user search base and user search filter in the active directory provider. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding automatic client side token renewal. NIFI-655: - Ensuring the logout link is rendered when appropriate. NIFI-655: - Adding configuration options for referrals and connect/read timeouts NIFI-655: - Added an endpoint for access details including configuration, creating tokens, and checking status. - Updated DTOs and client side to utilize new endpoints. NIFI-655: - Refactoring certificate extraction and validation. - Refactoring how expiration is specified in the login identity providers. - Adding unit tests for the access endpoints. - Code clean up. NIFI-655: - Keeping token expiration between 1 minute and 12 hours. NIFI-655: - Using the user identity provided by the login identity provider. NIFI-655: - Fixed typo in error message for unrecognized authentication strategy. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added logback-test.xml configuration resource for nifi-web-security. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added issuer field to LoginAuthenticationToken. - Updated AccessResource to pass identity provider class name when creating LoginAuthenticationTokens. - Began

refactoring JWT logic from request parsing logic in JwtService. - Added unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Changed issuer field to use FQ class name because some classes return an empty string for getSimpleName(). - Finished refactoring JWT logic from request parsing logic in JwtService. - Updated AccessResource and JwtAuthenticationFilter to call new JwtService methods decoupled from request header parsing. - Added extensive unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Refactoring key service to expose the key id. - Handling client side expiration better. - Removing specialized active directory provider and abstract ldap provider. NIFI-655. - Updated JwtService and JwtServiceTest to use Key POJO instead of raw String key from KeyService. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Fixing typo when loading the ldap connect timeout. - Providing a better experience for session expiration. - Using ellipsis for lengthy user name. - Adding an issuer to the authentication response so the LIP can specify the appropriate value. NIFI-655: - Showing a logging in notification during the log in process. NIFI-655: - Removing unnecessary class. NIFI-655: - Fixing checkstyle issues. - Showing the progress spinner while submitting account justification. NIFI-655: - Removing deprecated authentication strategy. - Renaming TLS to START_TLS. - Allowing the protocol to be configured. NIFI-655: - Fixing issue detecting the presence of DN column NIFI-655: - Pre-populating the login-identity-providers.xml file with necessary properties and documentation. - Renaming the Authentication Duration property name. NIFI-655: - Updating documentation for the failure response codes. NIFI-655: - Ensuring the user identity is not too long. NIFI-655: - Updating default authentication expiration to 12 hours. NIFI-655: - Remaining on the login form when there is any unsuccessful login attempt. - Fixing checkstyle issues.

63. Commit aaf14c45c96077c0075af8f3442e392b717244c1 in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=aaf14c4>] NIFI-655: - Refactoring web security to use Spring Security Java Configuration. - Introducing security in Web UI in order to get JWT. NIFI-655: - Setting up the resources (js/css) for the login page. NIFI-655: - Adding support for configuring anonymous roles. - Addressing checkstyle violations. NIFI-655: - Moving to token api to web-api. - Creating an LoginProvider API for user/pass based authentication. - Creating a module for funneling access to the authorized users. NIFI-655: - Moving away from usage of DN to identity throughout the application (from the user db to the authorization provider). - Updating the authorized users schema to support login users. - Creating an extension point for authentication of users based on username/password. NIFI-655: - Creating an endpoint for returning the identity of the current user. - Updating the LoginAuthenticationFilter. NIFI-655: - Moving NiFi registration to the login page. - Running the authentication filters in a different order to ensure we can disambiguate each case. - Starting to layout each case... Forbidden, Login, Create User, Create NiFi Account. NIFI-655: - Addressing checkstyle issues. NIFI-655: - Making nf-storage available in the login page. - Requiring use of local storage. - Ignoring security for GET requests when obtaining the login configuration. NIFI-655: - Adding a new endpoint to obtain the status of a user registration. - Updated the login page loading to ensure all possible states work. NIFI-655: - Ensuring we know the necessary state before we attempt to render the login page. - Building the proxy chain in the JWT authentication filter. - Only rendering the login when appropriate. NIFI-655: - Starting to style the login page. - Added simple 'login' support by identifying username/password. Issuing JWT token coming... - Added logout support - Rendering the username when appropriate. NIFI-655: - Extracting certificate validation into a utility class. - Fixing checkstyle issues. - Cleaning up the web security context. - Removing proxy chain checking where possible. NIFI-655: - Starting to add support for registration. - Creating registration form. NIFI-655: - Starting to implement the JWT service. - Parsing JWT on client side in order to render who the user currently is when logged in. NIFI-655: - Allowing the user to link back to the log in page from the new account page. - Renaming DN to identity where possible. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding more/better support for logging out. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding a few new exceptions for the login identity provider. NIFI-655: - Disabling log in by default initially. - Restoring authorization service unit test. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Updating packages for log in filters. - Handling new registration exceptions. - Code clean up. NIFI-655: - Removing registration support. - Removing file based implementation. NIFI-655: - Removing file based implementation. NIFI-655: - Removing unused spring configuration files. NIFI-655: - Making the auto wiring more explicit. NIFI-655: - Removing unused dependencies. NIFI-655: - Removing unused filter. NIFI-655: - Updating the login API authenticate method to use a richer set of exceptions. - UI code clean. NIFI-655: - Ensuring the login identity provider is able to switch context classloaders via the standard NAR mechanisms. NIFI-655: - Initial commit of the LDAP based identity providers. - Fixed issue when attempting to log into a NiFi that does not support new account requests. NIFI-655: - Allowing the ldap provider to specify if client authentication is required/desired. NIFI-655: - Persisting keys to sign user tokens. - Allowing the identity provider to specify the token expiration. - Code clean up. NIFI-655: - Ensuring identities are

unique in the key table. NIFI-655: - Adding support for specifying the user search base and user search filter in the active directory provider. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding automatic client side token renewal. NIFI-655: - Ensuring the logout link is rendered when appropriate. NIFI-655: - Adding configuration options for referrals and connect/read timeouts NIFI-655: - Added an endpoint for access details including configuration, creating tokens, and checking status. - Updated DTOs and client side to utilize new endpoints. NIFI-655: - Refactoring certificate extraction and validation. - Refactoring how expiration is specified in the login identity providers. - Adding unit tests for the access endpoints. - Code clean up. NIFI-655: - Keeping token expiration between 1 minute and 12 hours. NIFI-655: - Using the user identity provided by the login identity provider. NIFI-655: - Fixed typo in error message for unrecognized authentication strategy. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added logback-test.xml configuration resource for nifi-web-security. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added issuer field to LoginAuthenticationToken. - Updated AccessResource to pass identity provider class name when creating LoginAuthenticationTokens. - Began refactoring JWT logic from request parsing logic in JwtService. - Added unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Changed issuer field to use FQ class name because some classes return an empty string for getSimpleName(). - Finished refactoring JWT logic from request parsing logic in JwtService. - Updated AccessResource and JwtAuthenticationFilter to call new JwtService methods decoupled from request header parsing. - Added extensive unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Refactoring key service to expose the key id. - Handling client side expiration better. - Removing specialized active directory provider and abstract ldap provider. NIFI-655. - Updated JwtService and JwtServiceTest to use Key POJO instead of raw String key from KeyService. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Fixing typo when loading the ldap connect timeout. - Providing a better experience for session expiration. - Using ellipsis for lengthy user name. - Adding an issuer to the authentication response so the LIP can specify the appropriate value. NIFI-655: - Showing a logging in notification during the log in process. NIFI-655: - Removing unnecessary class. NIFI-655: - Fixing checkstyle issues. - Showing the progress spinner while submitting account justification. NIFI-655: - Removing deprecated authentication strategy. - Renaming TLS to START_TLS. - Allowing the protocol to be configured. NIFI-655: - Fixing issue detecting the presence of DN column NIFI-655: - Pre-populating the login-identity-providers.xml file with necessary properties and documentation. - Renaming the Authentication Duration property name. NIFI-655: - Updating documentation for the failure response codes. NIFI-655: - Ensuring the user identity is not too long. NIFI-655: - Updating default authentication expiration to 12 hours. NIFI-655: - Remaining on the login form when there is any unsuccessful login attempt. - Fixing checkstyle issues.

64. Commit aaf14c45c96077c0075af8f3442e392b717244c1 in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=aaf14c4>] NIFI-655: - Refactoring web security to use Spring Security Java Configuration. - Introducing security in Web UI in order to get JWT. NIFI-655: - Setting up the resources (js/css) for the login page. NIFI-655: - Adding support for configuring anonymous roles. - Addressing checkstyle violations. NIFI-655: - Moving to token api to web-api. - Creating an LoginProvider API for user/pass based authentication. - Creating a module for funneling access to the authorized users. NIFI-655: - Moving away from usage of DN to identity throughout the application (from the user db to the authorization provider). - Updating the authorized users schema to support login users. - Creating an extension point for authentication of users based on username/password. NIFI-655: - Creating an endpoint for returning the identity of the current user. - Updating the LoginAuthenticationFilter. NIFI-655: - Moving NiFi registration to the login page. - Running the authentication filters in a different order to ensure we can disambiguate each case. - Starting to layout each case... Forbidden, Login, Create User, Create NiFi Account. NIFI-655: - Addressing checkstyle issues. NIFI-655: - Making nf-storage available in the login page. - Requiring use of local storage. - Ignoring security for GET requests when obtaining the login configuration. NIFI-655: - Adding a new endpoint to obtain the status of a user registration. - Updated the login page loading to ensure all possible states work. NIFI-655: - Ensuring we know the necessary state before we attempt to render the login page. - Building the proxy chain in the JWT authentication filter. - Only rendering the login when appropriate. NIFI-655: - Starting to style the login page. - Added simple 'login' support by identifying username/password. Issuing JWT token coming... - Added logout support - Rendering the username when appropriate. NIFI-655: - Extracting certificate validation into a utility class. - Fixing checkstyle issues. - Cleaning up the web security context. - Removing proxy chain checking where possible. NIFI-655: - Starting to add support for registration. - Creating registration form. NIFI-655: - Starting to implement the JWT service. - Parsing JWT on client side in order to render who the user currently is when logged in. NIFI-655: - Allowing the user to link back to the log in page from the new account page. - Renaming DN to identity where possible. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding more/better support

for logging out. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding a few new exceptions for the login identity provider. NIFI-655: - Disabling log in by default initially. - Restoring authorization service unit test. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Updating packages for log in filters. - Handling new registration exceptions. - Code clean up. NIFI-655: - Removing registration support. - Removing file based implementation. NIFI-655: - Removing file based implementation. NIFI-655: - Removing unused spring configuration files. NIFI-655: - Making the auto wiring more explicit. NIFI-655: - Removing unused dependencies. NIFI-655: - Removing unused filter. NIFI-655: - Updating the login API authenticate method to use a richer set of exceptions. - UI code clean. NIFI-655: - Ensuring the login identity provider is able to switch context classloaders via the standard NAR mechanisms. NIFI-655: - Initial commit of the LDAP based identity providers. - Fixed issue when attempting to log into a NiFi that does not support new account requests. NIFI-655: - Allowing the ldap provider to specify if client authentication is required/desired. NIFI-655: - Persisting keys to sign user tokens. - Allowing the identity provider to specify the token expiration. - Code clean up. NIFI-655: - Ensuring identities are unique in the key table. NIFI-655: - Adding support for specifying the user search base and user search filter in the active directory provider. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding automatic client side token renewal. NIFI-655: - Ensuring the logout link is rendered when appropriate. NIFI-655: - Adding configuration options for referrals and connect/read timeouts NIFI-655: - Added an endpoint for access details including configuration, creating tokens, and checking status. - Updated DTOs and client side to utilize new endpoints. NIFI-655: - Refactoring certificate extraction and validation. - Refactoring how expiration is specified in the login identity providers. - Adding unit tests for the access endpoints. - Code clean up. NIFI-655: - Keeping token expiration between 1 minute and 12 hours. NIFI-655: - Using the user identity provided by the login identity provider. NIFI-655: - Fixed typo in error message for unrecognized authentication strategy. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added logback-test.xml configuration resource for nifi-web-security. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added issuer field to LoginAuthenticationToken. - Updated AccessResource to pass identity provider class name when creating LoginAuthenticationTokens. - Began refactoring JWT logic from request parsing logic in JwtService. - Added unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Changed issuer field to use FQ class name because some classes return an empty string for getSimpleName(). - Finished refactoring JWT logic from request parsing logic in JwtService. - Updated AccessResource and JwtAuthenticationFilter to call new JwtService methods decoupled from request header parsing. - Added extensive unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Refactoring key service to expose the key id. - Handling client side expiration better. - Removing specialized active directory provider and abstract ldap provider. NIFI-655. - Updated JwtService and JwtServiceTest to use Key POJO instead of raw String key from KeyService. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Fixing typo when loading the ldap connect timeout. - Providing a better experience for session expiration. - Using ellipsis for lengthy user name. - Adding an issuer to the authentication response so the LIP can specify the appropriate value. NIFI-655: - Showing a logging in notification during the log in process. NIFI-655: - Removing unnecessary class. NIFI-655: - Fixing checkstyle issues. - Showing the progress spinner while submitting account justification. NIFI-655: - Removing deprecated authentication strategy. - Renaming TLS to START_TLS. - Allowing the protocol to be configured. NIFI-655: - Fixing issue detecting the presence of DN column NIFI-655: - Pre-populating the login-identity-providers.xml file with necessary properties and documentation. - Renaming the Authentication Duration property name. NIFI-655: - Updating documentation for the failure response codes. NIFI-655: - Ensuring the user identity is not too long. NIFI-655: - Updating default authentication expiration to 12 hours. NIFI-655: - Remaining on the login form when there is any unsuccessful login attempt. - Fixing checkstyle issues.

65. Commit aaf14c45c96077c0075af8f3442e392b717244c1 in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=aaf14c4>] NIFI-655: - Refactoring web security to use Spring Security Java Configuration. - Introducing security in Web UI in order to get JWT. NIFI-655: - Setting up the resources (js/css) for the login page. NIFI-655: - Adding support for configuring anonymous roles. - Addressing checkstyle violations. NIFI-655: - Moving to token api to web-api. - Creating an LoginProvider API for user/pass based authentication. - Creating a module for funneling access to the authorized users. NIFI-655: - Moving away from usage of DN to identity throughout the application (from the user db to the authorization provider). - Updating the authorized users schema to support login users. - Creating an extension point for authentication of users based on username/password. NIFI-655: - Creating an endpoint for returning the identity of the current user. - Updating the LoginAuthenticationFilter. NIFI-655: - Moving NiFi registration to the login page. - Running the authentication filters in a different order to ensure we can disambiguate each case. - Starting to layout each case... Forbidden, Login, Create User, Create NiFi Account. NIFI-655: - Addressing

checkstyle issues. NIFI-655: - Making nf-storage available in the login page. - Requiring use of local storage. - Ignoring security for GET requests when obtaining the login configuration. NIFI-655: - Adding a new endpoint to obtain the status of a user registration. - Updated the login page loading to ensure all possible states work. NIFI-655: - Ensuring we know the necessary state before we attempt to render the login page. - Building the proxy chain in the JWT authentication filter. - Only rendering the login when appropriate. NIFI-655: - Starting to style the login page. - Added simple 'login' support by identifying username/password. Issuing JWT token coming... - Added logout support - Rendering the username when appropriate. NIFI-655: - Extracting certificate validation into a utility class. - Fixing checkstyle issues. - Cleaning up the web security context. - Removing proxy chain checking where possible. NIFI-655: - Starting to add support for registration. - Creating registration form. NIFI-655: - Starting to implement the JWT service. - Parsing JWT on client side in order to render who the user currently is when logged in. NIFI-655: - Allowing the user to link back to the log in page from the new account page. - Renaming DN to identity where possible. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding more/better support for logging out. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding a few new exceptions for the login identity provider. NIFI-655: - Disabling log in by default initially. - Restoring authorization service unit test. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Updating packages for log in filters. - Handling new registration exceptions. - Code clean up. NIFI-655: - Removing registration support. - Removing file based implementation. NIFI-655: - Removing file based implementation. NIFI-655: - Removing unused spring configuration files. NIFI-655: - Making the auto wiring more explicit. NIFI-655: - Removing unused dependencies. NIFI-655: - Removing unused filter. NIFI-655: - Updating the login API authenticate method to use a richer set of exceptions. - UI code clean. NIFI-655: - Ensuring the login identity provider is able to switch context classloaders via the standard NAR mechanisms. NIFI-655: - Initial commit of the LDAP based identity providers. - Fixed issue when attempting to log into a NiFi that does not support new account requests. NIFI-655: - Allowing the ldap provider to specify if client authentication is required/desired. NIFI-655: - Persisting keys to sign user tokens. - Allowing the identity provider to specify the token expiration. - Code clean up. NIFI-655: - Ensuring identities are unique in the key table. NIFI-655: - Adding support for specifying the user search base and user search filter in the active directory provider. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding automatic client side token renewal. NIFI-655: - Ensuring the logout link is rendered when appropriate. NIFI-655: - Adding configuration options for referrals and connect/read timeouts NIFI-655: - Added an endpoint for access details including configuration, creating tokens, and checking status. - Updated DTOs and client side to utilize new endpoints. NIFI-655: - Refactoring certificate extraction and validation. - Refactoring how expiration is specified in the login identity providers. - Adding unit tests for the access endpoints. - Code clean up. NIFI-655: - Keeping token expiration between 1 minute and 12 hours. NIFI-655: - Using the user identity provided by the login identity provider. NIFI-655: - Fixed typo in error message for unrecognized authentication strategy. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added logback-test.xml configuration resource for nifi-web-security. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added issuer field to LoginAuthenticationToken. - Updated AccessResource to pass identity provider class name when creating LoginAuthenticationTokens. - Began refactoring JWT logic from request parsing logic in JwtService. - Added unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Changed issuer field to use FQ class name because some classes return an empty string for getSimpleName(). - Finished refactoring JWT logic from request parsing logic in JwtService. - Updated AccessResource and JwtAuthenticationFilter to call new JwtService methods decoupled from request header parsing. - Added extensive unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Refactoring key service to expose the key id. - Handling client side expiration better. - Removing specialized active directory provider and abstract ldap provider. NIFI-655. - Updated JwtService and JwtServiceTest to use Key POJO instead of raw String key from KeyService. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Fixing typo when loading the ldap connect timeout. - Providing a better experience for session expiration. - Using ellipsis for lengthy user name. - Adding an issuer to the authentication response so the LIP can specify the appropriate value. NIFI-655: - Showing a logging in notification during the log in process. NIFI-655: - Removing unnecessary class. NIFI-655: - Fixing checkstyle issues. - Showing the progress spinner while submitting account justification. NIFI-655: - Removing deprecated authentication strategy. - Renaming TLS to START_TLS. - Allowing the protocol to be configured. NIFI-655: - Fixing issue detecting the presence of DN column NIFI-655: - Pre-populating the login-identity-providers.xml file with necessary properties and documentation. - Renaming the Authentication Duration property name. NIFI-655: - Updating documentation for the failure response codes. NIFI-655: - Ensuring the user identity is not too long. NIFI-655: - Updating default authentication expiration to 12 hours. NIFI-655: - Remaining on the login form when there is any unsuccessful login attempt. - Fixing checkstyle issues.

66. Commit aaf14c45c96077c0075af8f3442e392b717244c1 in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=aaf14c4>] NIFI-655: - Refactoring web security to use Spring Security Java Configuration. - Introducing security in Web UI in order to get JWT. NIFI-655: - Setting up the resources (js/css) for the login page. NIFI-655: - Adding support for configuring anonymous roles. - Addressing checkstyle violations. NIFI-655: - Moving to token api to web-api. - Creating an LoginProvider API for user/pass based authentication. - Creating a module for funneling access to the authorized users. NIFI-655: - Moving away from usage of DN to identity throughout the application (from the user db to the authorization provider). - Updating the authorized users schema to support login users. - Creating an extension point for authentication of users based on username/password. NIFI-655: - Creating an endpoint for returning the identity of the current user. - Updating the LoginAuthenticationFilter. NIFI-655: - Moving NiFi registration to the login page. - Running the authentication filters in a different order to ensure we can disambiguate each case. - Starting to layout each case... Forbidden, Login, Create User, Create NiFi Account. NIFI-655: - Addressing checkstyle issues. NIFI-655: - Making nf-storage available in the login page. - Requiring use of local storage. - Ignoring security for GET requests when obtaining the login configuration. NIFI-655: - Adding a new endpoint to obtain the status of a user registration. - Updated the login page loading to ensure all possible states work. NIFI-655: - Ensuring we know the necessary state before we attempt to render the login page. - Building the proxy chain in the JWT authentication filter. - Only rendering the login when appropriate. NIFI-655: - Starting to style the login page. - Added simple 'login' support by identifying username/password. Issuing JWT token coming... - Added logout support - Rendering the username when appropriate. NIFI-655: - Extracting certificate validation into a utility class. - Fixing checkstyle issues. - Cleaning up the web security context. - Removing proxy chain checking where possible. NIFI-655: - Starting to add support for registration. - Creating registration form. NIFI-655: - Starting to implement the JWT service. - Parsing JWT on client side in order to render who the user currently is when logged in. NIFI-655: - Allowing the user to link back to the log in page from the new account page. - Renaming DN to identity where possible. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding more/better support for logging out. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding a few new exceptions for the login identity provider. NIFI-655: - Disabling log in by default initially. - Restoring authorization service unit test. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Updating packages for log in filters. - Handling new registration exceptions. - Code clean up. NIFI-655: - Removing registration support. - Removing file based implementation. NIFI-655: - Removing file based implementation. NIFI-655: - Removing unused spring configuration files. NIFI-655: - Making the auto wiring more explicit. NIFI-655: - Removing unused dependencies. NIFI-655: - Removing unused filter. NIFI-655: - Updating the login API authenticate method to use a richer set of exceptions. - UI code clean. NIFI-655: - Ensuring the login identity provider is able to switch context classloaders via the standard NAR mechanisms. NIFI-655: - Initial commit of the LDAP based identity providers. - Fixed issue when attempting to log into a NiFi that does not support new account requests. NIFI-655: - Allowing the ldap provider to specify if client authentication is required/desired. NIFI-655: - Persisting keys to sign user tokens. - Allowing the identity provider to specify the token expiration. - Code clean up. NIFI-655: - Ensuring identities are unique in the key table. NIFI-655: - Adding support for specifying the user search base and user search filter in the active directory provider. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding automatic client side token renewal. NIFI-655: - Ensuring the logout link is rendered when appropriate. NIFI-655: - Adding configuration options for referrals and connect/read timeouts NIFI-655: - Added an endpoint for access details including configuration, creating tokens, and checking status. - Updated DTOs and client side to utilize new endpoints. NIFI-655: - Refactoring certificate extraction and validation. - Refactoring how expiration is specified in the login identity providers. - Adding unit tests for the access endpoints. - Code clean up. NIFI-655: - Keeping token expiration between 1 minute and 12 hours. NIFI-655: - Using the user identity provided by the login identity provider. NIFI-655: - Fixed typo in error message for unrecognized authentication strategy. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added logback-test.xml configuration resource for nifi-web-security. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added issuer field to LoginAuthenticationToken. - Updated AccessResource to pass identity provider class name when creating LoginAuthenticationTokens. - Began refactoring JWT logic from request parsing logic in JwtService. - Added unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Changed issuer field to use FQ class name because some classes return an empty string for getSimpleName(). - Finished refactoring JWT logic from request parsing logic in JwtService. - Updated AccessResource and JwtAuthenticationFilter to call new JwtService methods decoupled from request header parsing. - Added extensive unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Refactoring key service to expose the key id. - Handling client side expiration better. - Removing specialized active directory provider and

abstract ldap provider. NIFI-655: - Updated JwtService and JwtServiceTest to use Key POJO instead of raw String key from KeyService. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Fixing typo when loading the ldap connect timeout. - Providing a better experience for session expiration. - Using ellipsis for lengthy user name. - Adding an issuer to the authentication response so the LIP can specify the appropriate value. NIFI-655: - Showing a logging in notification during the log in process. NIFI-655: - Removing unnecessary class. NIFI-655: - Fixing checkstyle issues. - Showing the progress spinner while submitting account justification. NIFI-655: - Removing deprecated authentication strategy. - Renaming TLS to START_TLS. - Allowing the protocol to be configured. NIFI-655: - Fixing issue detecting the presence of DN column NIFI-655: - Pre-populating the login-identity-providers.xml file with necessary properties and documentation. - Renaming the Authentication Duration property name. NIFI-655: - Updating documentation for the failure response codes. NIFI-655: - Ensuring the user identity is not too long. NIFI-655: - Updating default authentication expiration to 12 hours. NIFI-655: - Remaining on the login form when there is any unsuccessful login attempt. - Fixing checkstyle issues.

67. Commit aaf14c45c96077c0075af8f3442e392b717244c1 in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=aaf14c4>] NIFI-655: - Refactoring web security to use Spring Security Java Configuration. - Introducing security in Web UI in order to get JWT. NIFI-655: - Setting up the resources (js/css) for the login page. NIFI-655: - Adding support for configuring anonymous roles. - Addressing checkstyle violations. NIFI-655: - Moving to token api to web-api. - Creating an LoginProvider API for user/pass based authentication. - Creating a module for funneling access to the authorized users. NIFI-655: - Moving away from usage of DN to identity throughout the application (from the user db to the authorization provider). - Updating the authorized users schema to support login users. - Creating an extension point for authentication of users based on username/password. NIFI-655: - Creating an endpoint for returning the identity of the current user. - Updating the LoginAuthenticationFilter. NIFI-655: - Moving NiFi registration to the login page. - Running the authentication filters in a different order to ensure we can disambiguate each case. - Starting to layout each case... Forbidden, Login, Create User, Create NiFi Account. NIFI-655: - Addressing checkstyle issues. NIFI-655: - Making nf-storage available in the login page. - Requiring use of local storage. - Ignoring security for GET requests when obtaining the login configuration. NIFI-655: - Adding a new endpoint to obtain the status of a user registration. - Updated the login page loading to ensure all possible states work. NIFI-655: - Ensuring we know the necessary state before we attempt to render the login page. - Building the proxy chain in the JWT authentication filter. - Only rendering the login when appropriate. NIFI-655: - Starting to style the login page. - Added simple 'login' support by identifying username/password. Issuing JWT token coming... - Added logout support - Rendering the username when appropriate. NIFI-655: - Extracting certificate validation into a utility class. - Fixing checkstyle issues. - Cleaning up the web security context. - Removing proxy chain checking where possible. NIFI-655: - Starting to add support for registration. - Creating registration form. NIFI-655: - Starting to implement the JWT service. - Parsing JWT on client side in order to render who the user currently is when logged in. NIFI-655: - Allowing the user to link back to the log in page from the new account page. - Renaming DN to identity where possible. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding more/better support for logging out. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding a few new exceptions for the login identity provider. NIFI-655: - Disabling log in by default initially. - Restoring authorization service unit test. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Updating packages for log in filters. - Handling new registration exceptions. - Code clean up. NIFI-655: - Removing registration support. - Removing file based implementation. NIFI-655: - Removing file based implementation. NIFI-655: - Removing unused spring configuration files. NIFI-655: - Making the auto wiring more explicit. NIFI-655: - Removing unused dependencies. NIFI-655: - Removing unused filter. NIFI-655: - Updating the login API authenticate method to use a richer set of exceptions. - UI code clean. NIFI-655: - Ensuring the login identity provider is able to switch context classloaders via the standard NAR mechanisms. NIFI-655: - Initial commit of the LDAP based identity providers. - Fixed issue when attempting to log into a NiFi that does not support new account requests. NIFI-655: - Allowing the ldap provider to specify if client authentication is required/desired. NIFI-655: - Persisting keys to sign user tokens. - Allowing the identity provider to specify the token expiration. - Code clean up. NIFI-655: - Ensuring identities are unique in the key table. NIFI-655: - Adding support for specifying the user search base and user search filter in the active directory provider. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding automatic client side token renewal. NIFI-655: - Ensuring the logout link is rendered when appropriate. NIFI-655: - Adding configuration options for referrals and connect/read timeouts NIFI-655: - Added an endpoint for access details including configuration, creating tokens, and checking status. - Updated DTOs and client side to utilize new endpoints. NIFI-655: - Refactoring certificate extraction and validation. - Refactoring how expiration is specified in the login identity providers. - Adding unit tests for the access endpoints. -

Code clean up. NIFI-655: - Keeping token expiration between 1 minute and 12 hours. NIFI-655: - Using the user identity provided by the login identity provider. NIFI-655: - Fixed typo in error message for unrecognized authentication strategy. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added logback-test.xml configuration resource for nifi-web-security. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added issuer field to LoginAuthenticationToken. - Updated AccessResource to pass identity provider class name when creating LoginAuthenticationTokens. - Began refactoring JWT logic from request parsing logic in JwtService. - Added unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Changed issuer field to use FQ class name because some classes return an empty string for getSimpleName(). - Finished refactoring JWT logic from request parsing logic in JwtService. - Updated AccessResource and JwtAuthenticationFilter to call new JwtService methods decoupled from request header parsing. - Added extensive unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Refactoring key service to expose the key id. - Handling client side expiration better. - Removing specialized active directory provider and abstract ldap provider. NIFI-655. - Updated JwtService and JwtServiceTest to use Key POJO instead of raw String key from KeyService. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Fixing typo when loading the ldap connect timeout. - Providing a better experience for session expiration. - Using ellipsis for lengthy user name. - Adding an issuer to the authentication response so the LIP can specify the appropriate value. NIFI-655: - Showing a logging in notification during the log in process. NIFI-655: - Removing unnecessary class. NIFI-655: - Fixing checkstyle issues. - Showing the progress spinner while submitting account justification. NIFI-655: - Removing deprecated authentication strategy. - Renaming TLS to START_TLS. - Allowing the protocol to be configured. NIFI-655: - Fixing issue detecting the presence of DN column NIFI-655: - Pre-populating the login-identity-providers.xml file with necessary properties and documentation. - Renaming the Authentication Duration property name. NIFI-655: - Updating documentation for the failure response codes. NIFI-655: - Ensuring the user identity is not too long. NIFI-655: - Updating default authentication expiration to 12 hours. NIFI-655: - Remaining on the login form when there is any unsuccessful login attempt. - Fixing checkstyle issues.

68. Commit aaf14c45c96077c0075af8f3442e392b717244c1 in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=aaf14c4>] NIFI-655: - Refactoring web security to use Spring Security Java Configuration. - Introducing security in Web UI in order to get JWT. NIFI-655: - Setting up the resources (js/css) for the login page. NIFI-655: - Adding support for configuring anonymous roles. - Addressing checkstyle violations. NIFI-655: - Moving to token api to web-api. - Creating an LoginProvider API for user/pass based authentication. - Creating a module for funneling access to the authorized users. NIFI-655: - Moving away from usage of DN to identity throughout the application (from the user db to the authorization provider). - Updating the authorized users schema to support login users. - Creating an extension point for authentication of users based on username/password. NIFI-655: - Creating an endpoint for returning the identity of the current user. - Updating the LoginAuthenticationFilter. NIFI-655: - Moving NiFi registration to the login page. - Running the authentication filters in a different order to ensure we can disambiguate each case. - Starting to layout each case... Forbidden, Login, Create User, Create NiFi Account. NIFI-655: - Addressing checkstyle issues. NIFI-655: - Making nf-storage available in the login page. - Requiring use of local storage. - Ignoring security for GET requests when obtaining the login configuration. NIFI-655: - Adding a new endpoint to obtain the status of a user registration. - Updated the login page loading to ensure all possible states work. NIFI-655: - Ensuring we know the necessary state before we attempt to render the login page. - Building the proxy chain in the JWT authentication filter. - Only rendering the login when appropriate. NIFI-655: - Starting to style the login page. - Added simple 'login' support by identifying username/password. Issuing JWT token coming... - Added logout support - Rendering the username when appropriate. NIFI-655: - Extracting certificate validation into a utility class. - Fixing checkstyle issues. - Cleaning up the web security context. - Removing proxy chain checking where possible. NIFI-655: - Starting to add support for registration. - Creating registration form. NIFI-655: - Starting to implement the JWT service. - Parsing JWT on client side in order to render who the user currently is when logged in. NIFI-655: - Allowing the user to link back to the log in page from the new account page. - Renaming DN to identity where possible. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding more/better support for logging out. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding a few new exceptions for the login identity provider. NIFI-655: - Disabling log in by default initially. - Restoring authorization service unit test. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Updating packages for log in filters. - Handling new registration exceptions. - Code clean up. NIFI-655: - Removing registration support. - Removing file based implementation. NIFI-655: - Removing file based implementation. NIFI-655: - Removing unused spring configuration files. NIFI-655: - Making the auto wiring more explicit. NIFI-655: - Removing unused dependencies. NIFI-655: - Removing unused filter. NIFI-655: - Updating the

login API authenticate method to use a richer set of exceptions. - UI code clean. NIFI-655: - Ensuring the login identity provider is able to switch context classloaders via the standard NAR mechanisms. NIFI-655: - Initial commit of the LDAP based identity providers. - Fixed issue when attempting to log into a NiFi that does not support new account requests. NIFI-655: - Allowing the ldap provider to specify if client authentication is required/desired. NIFI-655: - Persisting keys to sign user tokens. - Allowing the identity provider to specify the token expiration. - Code clean up. NIFI-655: - Ensuring identities are unique in the key table. NIFI-655: - Adding support for specifying the user search base and user search filter in the active directory provider. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding automatic client side token renewal. NIFI-655: - Ensuring the logout link is rendered when appropriate. NIFI-655: - Adding configuration options for referrals and connect/read timeouts NIFI-655: - Added an endpoint for access details including configuration, creating tokens, and checking status. - Updated DTOs and client side to utilize new endpoints. NIFI-655: - Refactoring certificate extraction and validation. - Refactoring how expiration is specified in the login identity providers. - Adding unit tests for the access endpoints. - Code clean up. NIFI-655: - Keeping token expiration between 1 minute and 12 hours. NIFI-655: - Using the user identity provided by the login identity provider. NIFI-655: - Fixed typo in error message for unrecognized authentication strategy. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added logback-test.xml configuration resource for nifi-web-security. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added issuer field to LoginAuthenticationToken. - Updated AccessResource to pass identity provider class name when creating LoginAuthenticationTokens. - Began refactoring JWT logic from request parsing logic in JwtService. - Added unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Changed issuer field to use FQ class name because some classes return an empty string for getSimpleName(). - Finished refactoring JWT logic from request parsing logic in JwtService. - Updated AccessResource and JwtAuthenticationFilter to call new JwtService methods decoupled from request header parsing. - Added extensive unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Refactoring key service to expose the key id. - Handling client side expiration better. - Removing specialized active directory provider and abstract ldap provider. NIFI-655. - Updated JwtService and JwtServiceTest to use Key POJO instead of raw String key from KeyService. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Fixing typo when loading the ldap connect timeout. - Providing a better experience for session expiration. - Using ellipsis for lengthy user name. - Adding an issuer to the authentication response so the LIP can specify the appropriate value. NIFI-655: - Showing a logging in notification during the log in process. NIFI-655: - Removing unnecessary class. NIFI-655: - Fixing checkstyle issues. - Showing the progress spinner while submitting account justification. NIFI-655: - Removing deprecated authentication strategy. - Renaming TLS to START_TLS. - Allowing the protocol to be configured. NIFI-655: - Fixing issue detecting the presence of DN column NIFI-655: - Pre-populating the login-identity-providers.xml file with necessary properties and documentation. - Renaming the Authentication Duration property name. NIFI-655: - Updating documentation for the failure response codes. NIFI-655: - Ensuring the user identity is not too long. NIFI-655: - Updating default authentication expiration to 12 hours. NIFI-655: - Remaining on the login form when there is any unsuccessful login attempt. - Fixing checkstyle issues.

69. Commit aaf14c45c96077c0075af8f3442e392b717244c1 in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=aaf14c4>] NIFI-655: - Refactoring web security to use Spring Security Java Configuration. - Introducing security in Web UI in order to get JWT. NIFI-655: - Setting up the resources (js/css) for the login page. NIFI-655: - Adding support for configuring anonymous roles. - Addressing checkstyle violations. NIFI-655: - Moving to token api to web-api. - Creating an LoginProvider API for user/pass based authentication. - Creating a module for funneling access to the authorized users. NIFI-655: - Moving away from usage of DN to identity throughout the application (from the user db to the authorization provider). - Updating the authorized users schema to support login users. - Creating an extension point for authentication of users based on username/password. NIFI-655: - Creating an endpoint for returning the identity of the current user. - Updating the LoginAuthenticationFilter. NIFI-655: - Moving NiFi registration to the login page. - Running the authentication filters in a different order to ensure we can disambiguate each case. - Starting to layout each case... Forbidden, Login, Create User, Create NiFi Account. NIFI-655: - Addressing checkstyle issues. NIFI-655: - Making nf-storage available in the login page. - Requiring use of local storage. - Ignoring security for GET requests when obtaining the login configuration. NIFI-655: - Adding a new endpoint to obtain the status of a user registration. - Updated the login page loading to ensure all possible states work. NIFI-655: - Ensuring we know the necessary state before we attempt to render the login page. - Building the proxy chain in the JWT authentication filter. - Only rendering the login when appropriate. NIFI-655: - Starting to style the login page. - Added simple 'login' support by identifying username/password. Issuing JWT token coming... - Added logout support - Rendering the username when

appropriate. NIFI-655: - Extracting certificate validation into a utility class. - Fixing checkstyle issues. - Cleaning up the web security context. - Removing proxy chain checking where possible. NIFI-655: - Starting to add support for registration. - Creating registration form. NIFI-655: - Starting to implement the JWT service. - Parsing JWT on client side in order to render who the user currently is when logged in. NIFI-655: - Allowing the user to link back to the log in page from the new account page. - Renaming DN to identity where possible. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding more/better support for logging out. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding a few new exceptions for the login identity provider. NIFI-655: - Disabling log in by default initially. - Restoring authorization service unit test. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Updating packages for log in filters. - Handling new registration exceptions. - Code clean up. NIFI-655: - Removing registration support. - Removing file based implementation. NIFI-655: - Removing file based implementation. NIFI-655: - Removing unused spring configuration files. NIFI-655: - Making the auto wiring more explicit. NIFI-655: - Removing unused dependencies. NIFI-655: - Removing unused filter. NIFI-655: - Updating the login API authenticate method to use a richer set of exceptions. - UI code clean. NIFI-655: - Ensuring the login identity provider is able to switch context classloaders via the standard NAR mechanisms. NIFI-655: - Initial commit of the LDAP based identity providers. - Fixed issue when attempting to log into a NiFi that does not support new account requests. NIFI-655: - Allowing the ldap provider to specify if client authentication is required/desired. NIFI-655: - Persisting keys to sign user tokens. - Allowing the identity provider to specify the token expiration. - Code clean up. NIFI-655: - Ensuring identities are unique in the key table. NIFI-655: - Adding support for specifying the user search base and user search filter in the active directory provider. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding automatic client side token renewal. NIFI-655: - Ensuring the logout link is rendered when appropriate. NIFI-655: - Adding configuration options for referrals and connect/read timeouts NIFI-655: - Added an endpoint for access details including configuration, creating tokens, and checking status. - Updated DTOs and client side to utilize new endpoints. NIFI-655: - Refactoring certificate extraction and validation. - Refactoring how expiration is specified in the login identity providers. - Adding unit tests for the access endpoints. - Code clean up. NIFI-655: - Keeping token expiration between 1 minute and 12 hours. NIFI-655: - Using the user identity provided by the login identity provider. NIFI-655: - Fixed typo in error message for unrecognized authentication strategy. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added logback-test.xml configuration resource for nifi-web-security. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added issuer field to LoginAuthenticationToken. - Updated AccessResource to pass identity provider class name when creating LoginAuthenticationTokens. - Began refactoring JWT logic from request parsing logic in JwtService. - Added unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Changed issuer field to use FQ class name because some classes return an empty string for getSimpleName(). - Finished refactoring JWT logic from request parsing logic in JwtService. - Updated AccessResource and JwtAuthenticationFilter to call new JwtService methods decoupled from request header parsing. - Added extensive unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Refactoring key service to expose the key id. - Handling client side expiration better. - Removing specialized active directory provider and abstract ldap provider. NIFI-655. - Updated JwtService and JwtServiceTest to use Key POJO instead of raw String key from KeyService. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Fixing typo when loading the ldap connect timeout. - Providing a better experience for session expiration. - Using ellipsis for lengthy user name. - Adding an issuer to the authentication response so the LIP can specify the appropriate value. NIFI-655: - Showing a logging in notification during the log in process. NIFI-655: - Removing unnecessary class. NIFI-655: - Fixing checkstyle issues. - Showing the progress spinner while submitting account justification. NIFI-655: - Removing deprecated authentication strategy. - Renaming TLS to START_TLS. - Allowing the protocol to be configured. NIFI-655: - Fixing issue detecting the presence of DN column NIFI-655: - Pre-populating the login-identity-providers.xml file with necessary properties and documentation. - Renaming the Authentication Duration property name. NIFI-655: - Updating documentation for the failure response codes. NIFI-655: - Ensuring the user identity is not too long. NIFI-655: - Updating default authentication expiration to 12 hours. NIFI-655: - Remaining on the login form when there is any unsuccessful login attempt. - Fixing checkstyle issues.

70. Commit aaf14c45c96077c0075af8f3442e392b717244c1 in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=aaf14c4>] NIFI-655: - Refactoring web security to use Spring Security Java Configuration. - Introducing security in Web UI in order to get JWT. NIFI-655: - Setting up the resources (js/css) for the login page. NIFI-655: - Adding support for configuring anonymous roles. - Addressing checkstyle violations. NIFI-655: - Moving to token api to web-api. - Creating an LoginProvider API for user/pass based authentication. - Creating a module for funneling access to the authorized users. NIFI-655: - Moving away from usage of DN to identity

throughout the application (from the user db to the authorization provider). - Updating the authorized users schema to support login users. - Creating an extension point for authentication of users based on username/password. NIFI-655: - Creating an endpoint for returning the identity of the current user. - Updating the LoginAuthenticationFilter. NIFI-655: - Moving NiFi registration to the login page. - Running the authentication filters in a different order to ensure we can disambiguate each case. - Starting to layout each case... Forbidden, Login, Create User, Create NiFi Account. NIFI-655: - Addressing checkstyle issues. NIFI-655: - Making nf-storage available in the login page. - Requiring use of local storage. - Ignoring security for GET requests when obtaining the login configuration. NIFI-655: - Adding a new endpoint to obtain the status of a user registration. - Updated the login page loading to ensure all possible states work. NIFI-655: - Ensuring we know the necessary state before we attempt to render the login page. - Building the proxy chain in the JWT authentication filter. - Only rendering the login when appropriate. NIFI-655: - Starting to style the login page. - Added simple 'login' support by identifying username/password. Issuing JWT token coming... - Added logout support - Rendering the username when appropriate. NIFI-655: - Extracting certificate validation into a utility class. - Fixing checkstyle issues. - Cleaning up the web security context. - Removing proxy chain checking where possible. NIFI-655: - Starting to add support for registration. - Creating registration form. NIFI-655: - Starting to implement the JWT service. - Parsing JWT on client side in order to render who the user currently is when logged in. NIFI-655: - Allowing the user to link back to the log in page from the new account page. - Renaming DN to identity where possible. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding more/better support for logging out. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding a few new exceptions for the login identity provider. NIFI-655: - Disabling log in by default initially. - Restoring authorization service unit test. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Updating packages for log in filters. - Handling new registration exceptions. - Code clean up. NIFI-655: - Removing registration support. - Removing file based implementation. NIFI-655: - Removing file based implementation. NIFI-655: - Removing unused spring configuration files. NIFI-655: - Making the auto wiring more explicit. NIFI-655: - Removing unused dependencies. NIFI-655: - Removing unused filter. NIFI-655: - Updating the login API authenticate method to use a richer set of exceptions. - UI code clean. NIFI-655: - Ensuring the login identity provider is able to switch context classloaders via the standard NAR mechanisms. NIFI-655: - Initial commit of the LDAP based identity providers. - Fixed issue when attempting to log into a NiFi that does not support new account requests. NIFI-655: - Allowing the ldap provider to specify if client authentication is required/desired. NIFI-655: - Persisting keys to sign user tokens. - Allowing the identity provider to specify the token expiration. - Code clean up. NIFI-655: - Ensuring identities are unique in the key table. NIFI-655: - Adding support for specifying the user search base and user search filter in the active directory provider. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding automatic client side token renewal. NIFI-655: - Ensuring the logout link is rendered when appropriate. NIFI-655: - Adding configuration options for referrals and connect/read timeouts NIFI-655: - Added an endpoint for access details including configuration, creating tokens, and checking status. - Updated DTOs and client side to utilize new endpoints. NIFI-655: - Refactoring certificate extraction and validation. - Refactoring how expiration is specified in the login identity providers. - Adding unit tests for the access endpoints. - Code clean up. NIFI-655: - Keeping token expiration between 1 minute and 12 hours. NIFI-655: - Using the user identity provided by the login identity provider. NIFI-655: - Fixed typo in error message for unrecognized authentication strategy. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added logback-test.xml configuration resource for nifi-web-security. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added issuer field to LoginAuthenticationToken. - Updated AccessResource to pass identity provider class name when creating LoginAuthenticationTokens. - Began refactoring JWT logic from request parsing logic in JwtService. - Added unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Changed issuer field to use FQ class name because some classes return an empty string for getSimpleName(). - Finished refactoring JWT logic from request parsing logic in JwtService. - Updated AccessResource and JwtAuthenticationFilter to call new JwtService methods decoupled from request header parsing. - Added extensive unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Refactoring key service to expose the key id. - Handling client side expiration better. - Removing specialized active directory provider and abstract ldap provider. NIFI-655. - Updated JwtService and JwtServiceTest to use Key POJO instead of raw String key from KeyService. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Fixing typo when loading the ldap connect timeout. - Providing a better experience for session expiration. - Using ellipsis for lengthy user name. - Adding an issuer to the authentication response so the LIP can specify the appropriate value. NIFI-655: - Showing a logging in notification during the log in process. NIFI-655: - Removing unnecessary class. NIFI-655: - Fixing checkstyle issues. - Showing the progress spinner while submitting account justification. NIFI-655: - Removing deprecated authentication strategy.

- Renaming TLS to START_TLS. - Allowing the protocol to be configured. NIFI-655: - Fixing issue detecting the presence of DN column NIFI-655: - Pre-populating the login-identity-providers.xml file with necessary properties and documentation. - Renaming the Authentication Duration property name. NIFI-655: - Updating documentation for the failure response codes. NIFI-655: - Ensuring the user identity is not too long. NIFI-655: - Updating default authentication expiration to 12 hours. NIFI-655: - Remaining on the login form when there is any unsuccessful login attempt. - Fixing checkstyle issues.
- 71. Commit aaf14c45c96077c0075af8f3442e392b717244c1 in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=aaf14c4>] NIFI-655: - Refactoring web security to use Spring Security Java Configuration. - Introducing security in Web UI in order to get JWT. NIFI-655: - Setting up the resources (js/css) for the login page. NIFI-655: - Adding support for configuring anonymous roles. - Addressing checkstyle violations. NIFI-655: - Moving to token api to web-api. - Creating an LoginProvider API for user/pass based authentication. - Creating a module for funneling access to the authorized users. NIFI-655: - Moving away from usage of DN to identity throughout the application (from the user db to the authorization provider). - Updating the authorized users schema to support login users. - Creating an extension point for authentication of users based on username/password. NIFI-655: - Creating an endpoint for returning the identity of the current user. - Updating the LoginAuthenticationFilter. NIFI-655: - Moving NiFi registration to the login page. - Running the authentication filters in a different order to ensure we can disambiguate each case. - Starting to layout each case... Forbidden, Login, Create User, Create NiFi Account. NIFI-655: - Addressing checkstyle issues. NIFI-655: - Making nf-storage available in the login page. - Requiring use of local storage. - Ignoring security for GET requests when obtaining the login configuration. NIFI-655: - Adding a new endpoint to obtain the status of a user registration. - Updated the login page loading to ensure all possible states work. NIFI-655: - Ensuring we know the necessary state before we attempt to render the login page. - Building the proxy chain in the JWT authentication filter. - Only rendering the login when appropriate. NIFI-655: - Starting to style the login page. - Added simple 'login' support by identifying username/password. Issuing JWT token coming... - Added logout support - Rendering the username when appropriate. NIFI-655: - Extracting certificate validation into a utility class. - Fixing checkstyle issues. - Cleaning up the web security context. - Removing proxy chain checking where possible. NIFI-655: - Starting to add support for registration. - Creating registration form. NIFI-655: - Starting to implement the JWT service. - Parsing JWT on client side in order to render who the user currently is when logged in. NIFI-655: - Allowing the user to link back to the log in page from the new account page. - Renaming DN to identity where possible. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding more/better support for logging out. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding a few new exceptions for the login identity provider. NIFI-655: - Disabling log in by default initially. - Restoring authorization service unit test. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Updating packages for log in filters. - Handling new registration exceptions. - Code clean up. NIFI-655: - Removing registration support. - Removing file based implementation. NIFI-655: - Removing file based implementation. NIFI-655: - Removing unused spring configuration files. NIFI-655: - Making the auto wiring more explicit. NIFI-655: - Removing unused dependencies. NIFI-655: - Removing unused filter. NIFI-655: - Updating the login API authenticate method to use a richer set of exceptions. - UI code clean. NIFI-655: - Ensuring the login identity provider is able to switch context classloaders via the standard NAR mechanisms. NIFI-655: - Initial commit of the LDAP based identity providers. - Fixed issue when attempting to log into a NiFi that does not support new account requests. NIFI-655: - Allowing the ldap provider to specify if client authentication is required/desired. NIFI-655: - Persisting keys to sign user tokens. - Allowing the identity provider to specify the token expiration. - Code clean up. NIFI-655: - Ensuring identities are unique in the key table. NIFI-655: - Adding support for specifying the user search base and user search filter in the active directory provider. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding automatic client side token renewal. NIFI-655: - Ensuring the logout link is rendered when appropriate. NIFI-655: - Adding configuration options for referrals and connect/read timeouts NIFI-655: - Added an endpoint for access details including configuration, creating tokens, and checking status. - Updated DTOs and client side to utilize new endpoints. NIFI-655: - Refactoring certificate extraction and validation. - Refactoring how expiration is specified in the login identity providers. - Adding unit tests for the access endpoints. - Code clean up. NIFI-655: - Keeping token expiration between 1 minute and 12 hours. NIFI-655: - Using the user identity provided by the login identity provider. NIFI-655: - Fixed typo in error message for unrecognized authentication strategy. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added logback-test.xml configuration resource for nifi-web-security. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added issuer field to LoginAuthenticationToken. - Updated AccessResource to pass identity provider class name when creating LoginAuthenticationTokens. - Began refactoring JWT logic from request parsing logic in JwtService. - Added unit tests for JWT logic. Signed-

off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Changed issuer field to use FQ class name because some classes return an empty string for getSimpleName(). - Finished refactoring JWT logic from request parsing logic in JwtService. - Updated AccessResource and JwtAuthenticationFilter to call new JwtService methods decoupled from request header parsing. - Added extensive unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Refactoring key service to expose the key id. - Handling client side expiration better. - Removing specialized active directory provider and abstract ldap provider. NIFI-655. - Updated JwtService and JwtServiceTest to use Key POJO instead of raw String key from KeyService. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Fixing typo when loading the ldap connect timeout. - Providing a better experience for session expiration. - Using ellipsis for lengthy user name. - Adding an issuer to the authentication response so the LIP can specify the appropriate value. NIFI-655: - Showing a logging in notification during the log in process. NIFI-655: - Removing unnecessary class. NIFI-655: - Fixing checkstyle issues. - Showing the progress spinner while submitting account justification. NIFI-655: - Removing deprecated authentication strategy. - Renaming TLS to START_TLS. - Allowing the protocol to be configured. NIFI-655: - Fixing issue detecting the presence of DN column NIFI-655: - Pre-populating the login-identity-providers.xml file with necessary properties and documentation. - Renaming the Authentication Duration property name. NIFI-655: - Updating documentation for the failure response codes. NIFI-655: - Ensuring the user identity is not too long. NIFI-655: - Updating default authentication expiration to 12 hours. NIFI-655: - Remaining on the login form when there is any unsuccessful login attempt. - Fixing checkstyle issues.

72. Commit aaf14c45c96077c0075af8f3442e392b717244c1 in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=aaf14c4>] NIFI-655: - Refactoring web security to use Spring Security Java Configuration. - Introducing security in Web UI in order to get JWT. NIFI-655: - Setting up the resources (js/css) for the login page. NIFI-655: - Adding support for configuring anonymous roles. - Addressing checkstyle violations. NIFI-655: - Moving to token api to web-api. - Creating an LoginProvider API for user/pass based authentication. - Creating a module for funneling access to the authorized users. NIFI-655: - Moving away from usage of DN to identity throughout the application (from the user db to the authorization provider). - Updating the authorized users schema to support login users. - Creating an extension point for authentication of users based on username/password. NIFI-655: - Creating an endpoint for returning the identity of the current user. - Updating the LoginAuthenticationFilter. NIFI-655: - Moving NiFi registration to the login page. - Running the authentication filters in a different order to ensure we can disambiguate each case. - Starting to layout each case... Forbidden, Login, Create User, Create NiFi Account. NIFI-655: - Addressing checkstyle issues. NIFI-655: - Making nf-storage available in the login page. - Requiring use of local storage. - Ignoring security for GET requests when obtaining the login configuration. NIFI-655: - Adding a new endpoint to obtain the status of a user registration. - Updated the login page loading to ensure all possible states work. NIFI-655: - Ensuring we know the necessary state before we attempt to render the login page. - Building the proxy chain in the JWT authentication filter. - Only rendering the login when appropriate. NIFI-655: - Starting to style the login page. - Added simple 'login' support by identifying username/password. Issuing JWT token coming... - Added logout support - Rendering the username when appropriate. NIFI-655: - Extracting certificate validation into a utility class. - Fixing checkstyle issues. - Cleaning up the web security context. - Removing proxy chain checking where possible. NIFI-655: - Starting to add support for registration. - Creating registration form. NIFI-655: - Starting to implement the JWT service. - Parsing JWT on client side in order to render who the user currently is when logged in. NIFI-655: - Allowing the user to link back to the log in page from the new account page. - Renaming DN to identity where possible. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding more/better support for logging out. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding a few new exceptions for the login identity provider. NIFI-655: - Disabling log in by default initially. - Restoring authorization service unit test. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Updating packages for log in filters. - Handling new registration exceptions. - Code clean up. NIFI-655: - Removing registration support. - Removing file based implementation. NIFI-655: - Removing file based implementation. NIFI-655: - Removing unused spring configuration files. NIFI-655: - Making the auto wiring more explicit. NIFI-655: - Removing unused dependencies. NIFI-655: - Removing unused filter. NIFI-655: - Updating the login API authenticate method to use a richer set of exceptions. - UI code clean. NIFI-655: - Ensuring the login identity provider is able to switch context classloaders via the standard NAR mechanisms. NIFI-655: - Initial commit of the LDAP based identity providers. - Fixed issue when attempting to log into a NiFi that does not support new account requests. NIFI-655: - Allowing the ldap provider to specify if client authentication is required/desired. NIFI-655: - Persisting keys to sign user tokens. - Allowing the identity provider to specify the token expiration. - Code clean up. NIFI-655: - Ensuring identities are unique in the key table. NIFI-655: - Adding support for specifying the user search base and user search

filter in the active directory provider. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding automatic client side token renewal. NIFI-655: - Ensuring the logout link is rendered when appropriate. NIFI-655: - Adding configuration options for referrals and connect/read timeouts NIFI-655: - Added an endpoint for access details including configuration, creating tokens, and checking status. - Updated DTOs and client side to utilize new endpoints. NIFI-655: - Refactoring certificate extraction and validation. - Refactoring how expiration is specified in the login identity providers. - Adding unit tests for the access endpoints. - Code clean up. NIFI-655: - Keeping token expiration between 1 minute and 12 hours. NIFI-655: - Using the user identity provided by the login identity provider. NIFI-655: - Fixed typo in error message for unrecognized authentication strategy. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added logback-test.xml configuration resource for nifi-web-security. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added issuer field to LoginAuthenticationToken. - Updated AccessResource to pass identity provider class name when creating LoginAuthenticationTokens. - Began refactoring JWT logic from request parsing logic in JwtService. - Added unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Changed issuer field to use FQ class name because some classes return an empty string for getSimpleName(). - Finished refactoring JWT logic from request parsing logic in JwtService. - Updated AccessResource and JwtAuthenticationFilter to call new JwtService methods decoupled from request header parsing. - Added extensive unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Refactoring key service to expose the key id. - Handling client side expiration better. - Removing specialized active directory provider and abstract ldap provider. NIFI-655. - Updated JwtService and JwtServiceTest to use Key POJO instead of raw String key from KeyService. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Fixing typo when loading the ldap connect timeout. - Providing a better experience for session expiration. - Using ellipsis for lengthy user name. - Adding an issuer to the authentication response so the LIP can specify the appropriate value. NIFI-655: - Showing a logging in notification during the log in process. NIFI-655: - Removing unnecessary class. NIFI-655: - Fixing checkstyle issues. - Showing the progress spinner while submitting account justification. NIFI-655: - Removing deprecated authentication strategy. - Renaming TLS to START_TLS. - Allowing the protocol to be configured. NIFI-655: - Fixing issue detecting the presence of DN column NIFI-655: - Pre-populating the login-identity-providers.xml file with necessary properties and documentation. - Renaming the Authentication Duration property name. NIFI-655: - Updating documentation for the failure response codes. NIFI-655: - Ensuring the user identity is not too long. NIFI-655: - Updating default authentication expiration to 12 hours. NIFI-655: - Remaining on the login form when there is any unsuccessful login attempt. - Fixing checkstyle issues.

73. Commit aaf14c45c96077c0075af8f3442e392b717244c1 in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=aaf14c4>] NIFI-655: - Refactoring web security to use Spring Security Java Configuration. - Introducing security in Web UI in order to get JWT. NIFI-655: - Setting up the resources (js/css) for the login page. NIFI-655: - Adding support for configuring anonymous roles. - Addressing checkstyle violations. NIFI-655: - Moving to token api to web-api. - Creating an LoginProvider API for user/pass based authentication. - Creating a module for funneling access to the authorized users. NIFI-655: - Moving away from usage of DN to identity throughout the application (from the user db to the authorization provider). - Updating the authorized users schema to support login users. - Creating an extension point for authentication of users based on username/password. NIFI-655: - Creating an endpoint for returning the identity of the current user. - Updating the LoginAuthenticationFilter. NIFI-655: - Moving NiFi registration to the login page. - Running the authentication filters in a different order to ensure we can disambiguate each case. - Starting to layout each case... Forbidden, Login, Create User, Create NiFi Account. NIFI-655: - Addressing checkstyle issues. NIFI-655: - Making nf-storage available in the login page. - Requiring use of local storage. - Ignoring security for GET requests when obtaining the login configuration. NIFI-655: - Adding a new endpoint to obtain the status of a user registration. - Updated the login page loading to ensure all possible states work. NIFI-655: - Ensuring we know the necessary state before we attempt to render the login page. - Building the proxy chain in the JWT authentication filter. - Only rendering the login when appropriate. NIFI-655: - Starting to style the login page. - Added simple 'login' support by identifying username/password. Issuing JWT token coming... - Added logout support - Rendering the username when appropriate. NIFI-655: - Extracting certificate validation into a utility class. - Fixing checkstyle issues. - Cleaning up the web security context. - Removing proxy chain checking where possible. NIFI-655: - Starting to add support for registration. - Creating registration form. NIFI-655: - Starting to implement the JWT service. - Parsing JWT on client side in order to render who the user currently is when logged in. NIFI-655: - Allowing the user to link back to the log in page from the new account page. - Renaming DN to identity where possible. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding more/better support for logging out. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding a few new exceptions for the

login identity provider. NIFI-655: - Disabling log in by default initially. - Restoring authorization service unit test. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Updating packages for log in filters. - Handling new registration exceptions. - Code clean up. NIFI-655: - Removing registration support. - Removing file based implementation. NIFI-655: - Removing file based implementation. NIFI-655: - Removing unused spring configuration files. NIFI-655: - Making the auto wiring more explicit. NIFI-655: - Removing unused dependencies. NIFI-655: - Removing unused filter. NIFI-655: - Updating the login API authenticate method to use a richer set of exceptions. - UI code clean. NIFI-655: - Ensuring the login identity provider is able to switch context classloaders via the standard NAR mechanisms. NIFI-655: - Initial commit of the LDAP based identity providers. - Fixed issue when attempting to log into a NiFi that does not support new account requests. NIFI-655: - Allowing the ldap provider to specify if client authentication is required/desired. NIFI-655: - Persisting keys to sign user tokens. - Allowing the identity provider to specify the token expiration. - Code clean up. NIFI-655: - Ensuring identities are unique in the key table. NIFI-655: - Adding support for specifying the user search base and user search filter in the active directory provider. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding automatic client side token renewal. NIFI-655: - Ensuring the logout link is rendered when appropriate. NIFI-655: - Adding configuration options for referrals and connect/read timeouts NIFI-655: - Added an endpoint for access details including configuration, creating tokens, and checking status. - Updated DTOs and client side to utilize new endpoints. NIFI-655: - Refactoring certificate extraction and validation. - Refactoring how expiration is specified in the login identity providers. - Adding unit tests for the access endpoints. - Code clean up. NIFI-655: - Keeping token expiration between 1 minute and 12 hours. NIFI-655: - Using the user identity provided by the login identity provider. NIFI-655: - Fixed typo in error message for unrecognized authentication strategy. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added logback-test.xml configuration resource for nifi-web-security. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added issuer field to LoginAuthenticationToken. - Updated AccessResource to pass identity provider class name when creating LoginAuthenticationTokens. - Began refactoring JWT logic from request parsing logic in JwtService. - Added unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Changed issuer field to use FQ class name because some classes return an empty string for getSimpleName(). - Finished refactoring JWT logic from request parsing logic in JwtService. - Updated AccessResource and JwtAuthenticationFilter to call new JwtService methods decoupled from request header parsing. - Added extensive unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Refactoring key service to expose the key id. - Handling client side expiration better. - Removing specialized active directory provider and abstract ldap provider. NIFI-655. - Updated JwtService and JwtServiceTest to use Key POJO instead of raw String key from KeyService. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Fixing typo when loading the ldap connect timeout. - Providing a better experience for session expiration. - Using ellipsis for lengthy user name. - Adding an issuer to the authentication response so the LIP can specify the appropriate value. NIFI-655: - Showing a logging in notification during the log in process. NIFI-655: - Removing unnecessary class. NIFI-655: - Fixing checkstyle issues. - Showing the progress spinner while submitting account justification. NIFI-655: - Removing deprecated authentication strategy. - Renaming TLS to START_TLS. - Allowing the protocol to be configured. NIFI-655: - Fixing issue detecting the presence of DN column NIFI-655: - Pre-populating the login-identity-providers.xml file with necessary properties and documentation. - Renaming the Authentication Duration property name. NIFI-655: - Updating documentation for the failure response codes. NIFI-655: - Ensuring the user identity is not too long. NIFI-655: - Updating default authentication expiration to 12 hours. NIFI-655: - Remaining on the login form when there is any unsuccessful login attempt. - Fixing checkstyle issues.

74. Commit aaf14c45c96077c0075af8f3442e392b717244c1 in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=aaf14c4>] NIFI-655: - Refactoring web security to use Spring Security Java Configuration. - Introducing security in Web UI in order to get JWT. NIFI-655: - Setting up the resources (js/css) for the login page. NIFI-655: - Adding support for configuring anonymous roles. - Addressing checkstyle violations. NIFI-655: - Moving to token api to web-api. - Creating an LoginProvider API for user/pass based authentication. - Creating a module for funneling access to the authorized users. NIFI-655: - Moving away from usage of DN to identity throughout the application (from the user db to the authorization provider). - Updating the authorized users schema to support login users. - Creating an extension point for authentication of users based on username/password. NIFI-655: - Creating an endpoint for returning the identity of the current user. - Updating the LoginAuthenticationFilter. NIFI-655: - Moving NiFi registration to the login page. - Running the authentication filters in a different order to ensure we can disambiguate each case. - Starting to layout each case... Forbidden, Login, Create User, Create NiFi Account. NIFI-655: - Addressing checkstyle issues. NIFI-655: - Making nf-storage available in the login page. - Requiring use of local

storage. - Ignoring security for GET requests when obtaining the login configuration. NIFI-655: - Adding a new endpoint to obtain the status of a user registration. - Updated the login page loading to ensure all possible states work. NIFI-655: - Ensuring we know the necessary state before we attempt to render the login page. - Building the proxy chain in the JWT authentication filter. - Only rendering the login when appropriate. NIFI-655: - Starting to style the login page. - Added simple 'login' support by identifying username/password. Issuing JWT token coming... - Added logout support - Rendering the username when appropriate. NIFI-655: - Extracting certificate validation into a utility class. - Fixing checkstyle issues. - Cleaning up the web security context. - Removing proxy chain checking where possible. NIFI-655: - Starting to add support for registration. - Creating registration form. NIFI-655: - Starting to implement the JWT service. - Parsing JWT on client side in order to render who the user currently is when logged in. NIFI-655: - Allowing the user to link back to the log in page from the new account page. - Renaming DN to identity where possible. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding more/better support for logging out. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding a few new exceptions for the login identity provider. NIFI-655: - Disabling log in by default initially. - Restoring authorization service unit test. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Updating packages for log in filters. - Handling new registration exceptions. - Code clean up. NIFI-655: - Removing registration support. - Removing file based implementation. NIFI-655: - Removing file based implementation. NIFI-655: - Removing unused spring configuration files. NIFI-655: - Making the auto wiring more explicit. NIFI-655: - Removing unused dependencies. NIFI-655: - Removing unused filter. NIFI-655: - Updating the login API authenticate method to use a richer set of exceptions. - UI code clean. NIFI-655: - Ensuring the login identity provider is able to switch context classloaders via the standard NAR mechanisms. NIFI-655: - Initial commit of the LDAP based identity providers. - Fixed issue when attempting to log into a NiFi that does not support new account requests. NIFI-655: - Allowing the ldap provider to specify if client authentication is required/desired. NIFI-655: - Persisting keys to sign user tokens. - Allowing the identity provider to specify the token expiration. - Code clean up. NIFI-655: - Ensuring identities are unique in the key table. NIFI-655: - Adding support for specifying the user search base and user search filter in the active directory provider. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding automatic client side token renewal. NIFI-655: - Ensuring the logout link is rendered when appropriate. NIFI-655: - Adding configuration options for referrals and connect/read timeouts NIFI-655: - Added an endpoint for access details including configuration, creating tokens, and checking status. - Updated DTOs and client side to utilize new endpoints. NIFI-655: - Refactoring certificate extraction and validation. - Refactoring how expiration is specified in the login identity providers. - Adding unit tests for the access endpoints. - Code clean up. NIFI-655: - Keeping token expiration between 1 minute and 12 hours. NIFI-655: - Using the user identity provided by the login identity provider. NIFI-655: - Fixed typo in error message for unrecognized authentication strategy. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added logback-test.xml configuration resource for nifi-web-security. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added issuer field to LoginAuthenticationToken. - Updated AccessResource to pass identity provider class name when creating LoginAuthenticationTokens. - Began refactoring JWT logic from request parsing logic in JwtService. - Added unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Changed issuer field to use FQ class name because some classes return an empty string for getSimpleName(). - Finished refactoring JWT logic from request parsing logic in JwtService. - Updated AccessResource and JwtAuthenticationFilter to call new JwtService methods decoupled from request header parsing. - Added extensive unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Refactoring key service to expose the key id. - Handling client side expiration better. - Removing specialized active directory provider and abstract ldap provider. NIFI-655. - Updated JwtService and JwtServiceTest to use Key POJO instead of raw String key from KeyService. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Fixing typo when loading the ldap connect timeout. - Providing a better experience for session expiration. - Using ellipsis for lengthy user name. - Adding an issuer to the authentication response so the LIP can specify the appropriate value. NIFI-655: - Showing a logging in notification during the log in process. NIFI-655: - Removing unnecessary class. NIFI-655: - Fixing checkstyle issues. - Showing the progress spinner while submitting account justification. NIFI-655: - Removing deprecated authentication strategy. - Renaming TLS to START_TLS. - Allowing the protocol to be configured. NIFI-655: - Fixing issue detecting the presence of DN column NIFI-655: - Pre-populating the login-identity-providers.xml file with necessary properties and documentation. - Renaming the Authentication Duration property name. NIFI-655: - Updating documentation for the failure response codes. NIFI-655: - Ensuring the user identity is not too long. NIFI-655: - Updating default authentication expiration to 12 hours. NIFI-655: - Remaining on the login form when there is any unsuccessful login attempt. - Fixing checkstyle issues.

75. Commit aaf14c45c96077c0075af8f3442e392b717244c1 in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=aaf14c4>] NIFI-655: - Refactoring web security to use Spring Security Java Configuration. - Introducing security in Web UI in order to get JWT. NIFI-655: - Setting up the resources (js/css) for the login page. NIFI-655: - Adding support for configuring anonymous roles. - Addressing checkstyle violations. NIFI-655: - Moving to token api to web-api. - Creating an LoginProvider API for user/pass based authentication. - Creating a module for funneling access to the authorized users. NIFI-655: - Moving away from usage of DN to identity throughout the application (from the user db to the authorization provider). - Updating the authorized users schema to support login users. - Creating an extension point for authentication of users based on username/password. NIFI-655: - Creating an endpoint for returning the identity of the current user. - Updating the LoginAuthenticationFilter. NIFI-655: - Moving NiFi registration to the login page. - Running the authentication filters in a different order to ensure we can disambiguate each case. - Starting to layout each case... Forbidden, Login, Create User, Create NiFi Account. NIFI-655: - Addressing checkstyle issues. NIFI-655: - Making nf-storage available in the login page. - Requiring use of local storage. - Ignoring security for GET requests when obtaining the login configuration. NIFI-655: - Adding a new endpoint to obtain the status of a user registration. - Updated the login page loading to ensure all possible states work. NIFI-655: - Ensuring we know the necessary state before we attempt to render the login page. - Building the proxy chain in the JWT authentication filter. - Only rendering the login when appropriate. NIFI-655: - Starting to style the login page. - Added simple 'login' support by identifying username/password. Issuing JWT token coming... - Added logout support - Rendering the username when appropriate. NIFI-655: - Extracting certificate validation into a utility class. - Fixing checkstyle issues. - Cleaning up the web security context. - Removing proxy chain checking where possible. NIFI-655: - Starting to add support for registration. - Creating registration form. NIFI-655: - Starting to implement the JWT service. - Parsing JWT on client side in order to render who the user currently is when logged in. NIFI-655: - Allowing the user to link back to the log in page from the new account page. - Renaming DN to identity where possible. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding more/better support for logging out. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding a few new exceptions for the login identity provider. NIFI-655: - Disabling log in by default initially. - Restoring authorization service unit test. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Updating packages for log in filters. - Handling new registration exceptions. - Code clean up. NIFI-655: - Removing registration support. - Removing file based implementation. NIFI-655: - Removing file based implementation. NIFI-655: - Removing unused spring configuration files. NIFI-655: - Making the auto wiring more explicit. NIFI-655: - Removing unused dependencies. NIFI-655: - Removing unused filter. NIFI-655: - Updating the login API authenticate method to use a richer set of exceptions. - UI code clean. NIFI-655: - Ensuring the login identity provider is able to switch context classloaders via the standard NAR mechanisms. NIFI-655: - Initial commit of the LDAP based identity providers. - Fixed issue when attempting to log into a NiFi that does not support new account requests. NIFI-655: - Allowing the ldap provider to specify if client authentication is required/desired. NIFI-655: - Persisting keys to sign user tokens. - Allowing the identity provider to specify the token expiration. - Code clean up. NIFI-655: - Ensuring identities are unique in the key table. NIFI-655: - Adding support for specifying the user search base and user search filter in the active directory provider. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding automatic client side token renewal. NIFI-655: - Ensuring the logout link is rendered when appropriate. NIFI-655: - Adding configuration options for referrals and connect/read timeouts NIFI-655: - Added an endpoint for access details including configuration, creating tokens, and checking status. - Updated DTOs and client side to utilize new endpoints. NIFI-655: - Refactoring certificate extraction and validation. - Refactoring how expiration is specified in the login identity providers. - Adding unit tests for the access endpoints. - Code clean up. NIFI-655: - Keeping token expiration between 1 minute and 12 hours. NIFI-655: - Using the user identity provided by the login identity provider. NIFI-655: - Fixed typo in error message for unrecognized authentication strategy. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added logback-test.xml configuration resource for nifi-web-security. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added issuer field to LoginAuthenticationToken. - Updated AccessResource to pass identity provider class name when creating LoginAuthenticationTokens. - Began refactoring JWT logic from request parsing logic in JwtService. - Added unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Changed issuer field to use FQ class name because some classes return an empty string for getSimpleName(). - Finished refactoring JWT logic from request parsing logic in JwtService. - Updated AccessResource and JwtAuthenticationFilter to call new JwtService methods decoupled from request header parsing. - Added extensive unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Refactoring key service to expose the key id. - Handling client side expiration better. - Removing specialized active directory provider and

abstract ldap provider. NIFI-655: - Updated JwtService and JwtServiceTest to use Key POJO instead of raw String key from KeyService. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Fixing typo when loading the ldap connect timeout. - Providing a better experience for session expiration. - Using ellipsis for lengthy user name. - Adding an issuer to the authentication response so the LIP can specify the appropriate value. NIFI-655: - Showing a logging in notification during the log in process. NIFI-655: - Removing unnecessary class. NIFI-655: - Fixing checkstyle issues. - Showing the progress spinner while submitting account justification. NIFI-655: - Removing deprecated authentication strategy. - Renaming TLS to START_TLS. - Allowing the protocol to be configured. NIFI-655: - Fixing issue detecting the presence of DN column NIFI-655: - Pre-populating the login-identity-providers.xml file with necessary properties and documentation. - Renaming the Authentication Duration property name. NIFI-655: - Updating documentation for the failure response codes. NIFI-655: - Ensuring the user identity is not too long. NIFI-655: - Updating default authentication expiration to 12 hours. NIFI-655: - Remaining on the login form when there is any unsuccessful login attempt. - Fixing checkstyle issues.

76. Commit aaf14c45c96077c0075af8f3442e392b717244c1 in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=aaf14c4>] NIFI-655: - Refactoring web security to use Spring Security Java Configuration. - Introducing security in Web UI in order to get JWT. NIFI-655: - Setting up the resources (js/css) for the login page. NIFI-655: - Adding support for configuring anonymous roles. - Addressing checkstyle violations. NIFI-655: - Moving to token api to web-api. - Creating an LoginProvider API for user/pass based authentication. - Creating a module for funneling access to the authorized users. NIFI-655: - Moving away from usage of DN to identity throughout the application (from the user db to the authorization provider). - Updating the authorized users schema to support login users. - Creating an extension point for authentication of users based on username/password. NIFI-655: - Creating an endpoint for returning the identity of the current user. - Updating the LoginAuthenticationFilter. NIFI-655: - Moving NiFi registration to the login page. - Running the authentication filters in a different order to ensure we can disambiguate each case. - Starting to layout each case... Forbidden, Login, Create User, Create NiFi Account. NIFI-655: - Addressing checkstyle issues. NIFI-655: - Making nf-storage available in the login page. - Requiring use of local storage. - Ignoring security for GET requests when obtaining the login configuration. NIFI-655: - Adding a new endpoint to obtain the status of a user registration. - Updated the login page loading to ensure all possible states work. NIFI-655: - Ensuring we know the necessary state before we attempt to render the login page. - Building the proxy chain in the JWT authentication filter. - Only rendering the login when appropriate. NIFI-655: - Starting to style the login page. - Added simple 'login' support by identifying username/password. Issuing JWT token coming... - Added logout support - Rendering the username when appropriate. NIFI-655: - Extracting certificate validation into a utility class. - Fixing checkstyle issues. - Cleaning up the web security context. - Removing proxy chain checking where possible. NIFI-655: - Starting to add support for registration. - Creating registration form. NIFI-655: - Starting to implement the JWT service. - Parsing JWT on client side in order to render who the user currently is when logged in. NIFI-655: - Allowing the user to link back to the log in page from the new account page. - Renaming DN to identity where possible. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding more/better support for logging out. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding a few new exceptions for the login identity provider. NIFI-655: - Disabling log in by default initially. - Restoring authorization service unit test. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Updating packages for log in filters. - Handling new registration exceptions. - Code clean up. NIFI-655: - Removing registration support. - Removing file based implementation. NIFI-655: - Removing file based implementation. NIFI-655: - Removing unused spring configuration files. NIFI-655: - Making the auto wiring more explicit. NIFI-655: - Removing unused dependencies. NIFI-655: - Removing unused filter. NIFI-655: - Updating the login API authenticate method to use a richer set of exceptions. - UI code clean. NIFI-655: - Ensuring the login identity provider is able to switch context classloaders via the standard NAR mechanisms. NIFI-655: - Initial commit of the LDAP based identity providers. - Fixed issue when attempting to log into a NiFi that does not support new account requests. NIFI-655: - Allowing the ldap provider to specify if client authentication is required/desired. NIFI-655: - Persisting keys to sign user tokens. - Allowing the identity provider to specify the token expiration. - Code clean up. NIFI-655: - Ensuring identities are unique in the key table. NIFI-655: - Adding support for specifying the user search base and user search filter in the active directory provider. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding automatic client side token renewal. NIFI-655: - Ensuring the logout link is rendered when appropriate. NIFI-655: - Adding configuration options for referrals and connect/read timeouts NIFI-655: - Added an endpoint for access details including configuration, creating tokens, and checking status. - Updated DTOs and client side to utilize new endpoints. NIFI-655: - Refactoring certificate extraction and validation. - Refactoring how expiration is specified in the login identity providers. - Adding unit tests for the access endpoints. -

Code clean up. NIFI-655: - Keeping token expiration between 1 minute and 12 hours. NIFI-655: - Using the user identity provided by the login identity provider. NIFI-655: - Fixed typo in error message for unrecognized authentication strategy. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added logback-test.xml configuration resource for nifi-web-security. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added issuer field to LoginAuthenticationToken. - Updated AccessResource to pass identity provider class name when creating LoginAuthenticationTokens. - Began refactoring JWT logic from request parsing logic in JwtService. - Added unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Changed issuer field to use FQ class name because some classes return an empty string for getSimpleName(). - Finished refactoring JWT logic from request parsing logic in JwtService. - Updated AccessResource and JwtAuthenticationFilter to call new JwtService methods decoupled from request header parsing. - Added extensive unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Refactoring key service to expose the key id. - Handling client side expiration better. - Removing specialized active directory provider and abstract ldap provider. NIFI-655. - Updated JwtService and JwtServiceTest to use Key POJO instead of raw String key from KeyService. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Fixing typo when loading the ldap connect timeout. - Providing a better experience for session expiration. - Using ellipsis for lengthy user name. - Adding an issuer to the authentication response so the LIP can specify the appropriate value. NIFI-655: - Showing a logging in notification during the log in process. NIFI-655: - Removing unnecessary class. NIFI-655: - Fixing checkstyle issues. - Showing the progress spinner while submitting account justification. NIFI-655: - Removing deprecated authentication strategy. - Renaming TLS to START_TLS. - Allowing the protocol to be configured. NIFI-655: - Fixing issue detecting the presence of DN column NIFI-655: - Pre-populating the login-identity-providers.xml file with necessary properties and documentation. - Renaming the Authentication Duration property name. NIFI-655: - Updating documentation for the failure response codes. NIFI-655: - Ensuring the user identity is not too long. NIFI-655: - Updating default authentication expiration to 12 hours. NIFI-655: - Remaining on the login form when there is any unsuccessful login attempt. - Fixing checkstyle issues.

77. Commit aaf14c45c96077c0075af8f3442e392b717244c1 in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=aaf14c4>] NIFI-655: - Refactoring web security to use Spring Security Java Configuration. - Introducing security in Web UI in order to get JWT. NIFI-655: - Setting up the resources (js/css) for the login page. NIFI-655: - Adding support for configuring anonymous roles. - Addressing checkstyle violations. NIFI-655: - Moving to token api to web-api. - Creating an LoginProvider API for user/pass based authentication. - Creating a module for funneling access to the authorized users. NIFI-655: - Moving away from usage of DN to identity throughout the application (from the user db to the authorization provider). - Updating the authorized users schema to support login users. - Creating an extension point for authentication of users based on username/password. NIFI-655: - Creating an endpoint for returning the identity of the current user. - Updating the LoginAuthenticationFilter. NIFI-655: - Moving NiFi registration to the login page. - Running the authentication filters in a different order to ensure we can disambiguate each case. - Starting to layout each case... Forbidden, Login, Create User, Create NiFi Account. NIFI-655: - Addressing checkstyle issues. NIFI-655: - Making nf-storage available in the login page. - Requiring use of local storage. - Ignoring security for GET requests when obtaining the login configuration. NIFI-655: - Adding a new endpoint to obtain the status of a user registration. - Updated the login page loading to ensure all possible states work. NIFI-655: - Ensuring we know the necessary state before we attempt to render the login page. - Building the proxy chain in the JWT authentication filter. - Only rendering the login when appropriate. NIFI-655: - Starting to style the login page. - Added simple 'login' support by identifying username/password. Issuing JWT token coming... - Added logout support - Rendering the username when appropriate. NIFI-655: - Extracting certificate validation into a utility class. - Fixing checkstyle issues. - Cleaning up the web security context. - Removing proxy chain checking where possible. NIFI-655: - Starting to add support for registration. - Creating registration form. NIFI-655: - Starting to implement the JWT service. - Parsing JWT on client side in order to render who the user currently is when logged in. NIFI-655: - Allowing the user to link back to the log in page from the new account page. - Renaming DN to identity where possible. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding more/better support for logging out. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding a few new exceptions for the login identity provider. NIFI-655: - Disabling log in by default initially. - Restoring authorization service unit test. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Updating packages for log in filters. - Handling new registration exceptions. - Code clean up. NIFI-655: - Removing registration support. - Removing file based implementation. NIFI-655: - Removing file based implementation. NIFI-655: - Removing unused spring configuration files. NIFI-655: - Making the auto wiring more explicit. NIFI-655: - Removing unused dependencies. NIFI-655: - Removing unused filter. NIFI-655: - Updating the

login API authenticate method to use a richer set of exceptions. - UI code clean. NIFI-655: - Ensuring the login identity provider is able to switch context classloaders via the standard NAR mechanisms. NIFI-655: - Initial commit of the LDAP based identity providers. - Fixed issue when attempting to log into a NiFi that does not support new account requests. NIFI-655: - Allowing the ldap provider to specify if client authentication is required/desired. NIFI-655: - Persisting keys to sign user tokens. - Allowing the identity provider to specify the token expiration. - Code clean up. NIFI-655: - Ensuring identities are unique in the key table. NIFI-655: - Adding support for specifying the user search base and user search filter in the active directory provider. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding automatic client side token renewal. NIFI-655: - Ensuring the logout link is rendered when appropriate. NIFI-655: - Adding configuration options for referrals and connect/read timeouts NIFI-655: - Added an endpoint for access details including configuration, creating tokens, and checking status. - Updated DTOs and client side to utilize new endpoints. NIFI-655: - Refactoring certificate extraction and validation. - Refactoring how expiration is specified in the login identity providers. - Adding unit tests for the access endpoints. - Code clean up. NIFI-655: - Keeping token expiration between 1 minute and 12 hours. NIFI-655: - Using the user identity provided by the login identity provider. NIFI-655: - Fixed typo in error message for unrecognized authentication strategy. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added logback-test.xml configuration resource for nifi-web-security. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added issuer field to LoginAuthenticationToken. - Updated AccessResource to pass identity provider class name when creating LoginAuthenticationTokens. - Began refactoring JWT logic from request parsing logic in JwtService. - Added unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Changed issuer field to use FQ class name because some classes return an empty string for getSimpleName(). - Finished refactoring JWT logic from request parsing logic in JwtService. - Updated AccessResource and JwtAuthenticationFilter to call new JwtService methods decoupled from request header parsing. - Added extensive unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Refactoring key service to expose the key id. - Handling client side expiration better. - Removing specialized active directory provider and abstract ldap provider. NIFI-655. - Updated JwtService and JwtServiceTest to use Key POJO instead of raw String key from KeyService. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Fixing typo when loading the ldap connect timeout. - Providing a better experience for session expiration. - Using ellipsis for lengthy user name. - Adding an issuer to the authentication response so the LIP can specify the appropriate value. NIFI-655: - Showing a logging in notification during the log in process. NIFI-655: - Removing unnecessary class. NIFI-655: - Fixing checkstyle issues. - Showing the progress spinner while submitting account justification. NIFI-655: - Removing deprecated authentication strategy. - Renaming TLS to START_TLS. - Allowing the protocol to be configured. NIFI-655: - Fixing issue detecting the presence of DN column NIFI-655: - Pre-populating the login-identity-providers.xml file with necessary properties and documentation. - Renaming the Authentication Duration property name. NIFI-655: - Updating documentation for the failure response codes. NIFI-655: - Ensuring the user identity is not too long. NIFI-655: - Updating default authentication expiration to 12 hours. NIFI-655: - Remaining on the login form when there is any unsuccessful login attempt. - Fixing checkstyle issues.

78. Commit aaf14c45c96077c0075af8f3442e392b717244c1 in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=aaf14c4>] NIFI-655: - Refactoring web security to use Spring Security Java Configuration. - Introducing security in Web UI in order to get JWT. NIFI-655: - Setting up the resources (js/css) for the login page. NIFI-655: - Adding support for configuring anonymous roles. - Addressing checkstyle violations. NIFI-655: - Moving to token api to web-api. - Creating an LoginProvider API for user/pass based authentication. - Creating a module for funneling access to the authorized users. NIFI-655: - Moving away from usage of DN to identity throughout the application (from the user db to the authorization provider). - Updating the authorized users schema to support login users. - Creating an extension point for authentication of users based on username/password. NIFI-655: - Creating an endpoint for returning the identity of the current user. - Updating the LoginAuthenticationFilter. NIFI-655: - Moving NiFi registration to the login page. - Running the authentication filters in a different order to ensure we can disambiguate each case. - Starting to layout each case... Forbidden, Login, Create User, Create NiFi Account. NIFI-655: - Addressing checkstyle issues. NIFI-655: - Making nf-storage available in the login page. - Requiring use of local storage. - Ignoring security for GET requests when obtaining the login configuration. NIFI-655: - Adding a new endpoint to obtain the status of a user registration. - Updated the login page loading to ensure all possible states work. NIFI-655: - Ensuring we know the necessary state before we attempt to render the login page. - Building the proxy chain in the JWT authentication filter. - Only rendering the login when appropriate. NIFI-655: - Starting to style the login page. - Added simple 'login' support by identifying username/password. Issuing JWT token coming... - Added logout support - Rendering the username when

appropriate. NIFI-655: - Extracting certificate validation into a utility class. - Fixing checkstyle issues. - Cleaning up the web security context. - Removing proxy chain checking where possible. NIFI-655: - Starting to add support for registration. - Creating registration form. NIFI-655: - Starting to implement the JWT service. - Parsing JWT on client side in order to render who the user currently is when logged in. NIFI-655: - Allowing the user to link back to the log in page from the new account page. - Renaming DN to identity where possible. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding more/better support for logging out. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding a few new exceptions for the login identity provider. NIFI-655: - Disabling log in by default initially. - Restoring authorization service unit test. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Updating packages for log in filters. - Handling new registration exceptions. - Code clean up. NIFI-655: - Removing registration support. - Removing file based implementation. NIFI-655: - Removing file based implementation. NIFI-655: - Removing unused spring configuration files. NIFI-655: - Making the auto wiring more explicit. NIFI-655: - Removing unused dependencies. NIFI-655: - Removing unused filter. NIFI-655: - Updating the login API authenticate method to use a richer set of exceptions. - UI code clean. NIFI-655: - Ensuring the login identity provider is able to switch context classloaders via the standard NAR mechanisms. NIFI-655: - Initial commit of the LDAP based identity providers. - Fixed issue when attempting to log into a NiFi that does not support new account requests. NIFI-655: - Allowing the ldap provider to specify if client authentication is required/desired. NIFI-655: - Persisting keys to sign user tokens. - Allowing the identity provider to specify the token expiration. - Code clean up. NIFI-655: - Ensuring identities are unique in the key table. NIFI-655: - Adding support for specifying the user search base and user search filter in the active directory provider. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding automatic client side token renewal. NIFI-655: - Ensuring the logout link is rendered when appropriate. NIFI-655: - Adding configuration options for referrals and connect/read timeouts NIFI-655: - Added an endpoint for access details including configuration, creating tokens, and checking status. - Updated DTOs and client side to utilize new endpoints. NIFI-655: - Refactoring certificate extraction and validation. - Refactoring how expiration is specified in the login identity providers. - Adding unit tests for the access endpoints. - Code clean up. NIFI-655: - Keeping token expiration between 1 minute and 12 hours. NIFI-655: - Using the user identity provided by the login identity provider. NIFI-655: - Fixed typo in error message for unrecognized authentication strategy. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added logback-test.xml configuration resource for nifi-web-security. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added issuer field to LoginAuthenticationToken. - Updated AccessResource to pass identity provider class name when creating LoginAuthenticationTokens. - Began refactoring JWT logic from request parsing logic in JwtService. - Added unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Changed issuer field to use FQ class name because some classes return an empty string for getSimpleName(). - Finished refactoring JWT logic from request parsing logic in JwtService. - Updated AccessResource and JwtAuthenticationFilter to call new JwtService methods decoupled from request header parsing. - Added extensive unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Refactoring key service to expose the key id. - Handling client side expiration better. - Removing specialized active directory provider and abstract ldap provider. NIFI-655. - Updated JwtService and JwtServiceTest to use Key POJO instead of raw String key from KeyService. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Fixing typo when loading the ldap connect timeout. - Providing a better experience for session expiration. - Using ellipsis for lengthy user name. - Adding an issuer to the authentication response so the LIP can specify the appropriate value. NIFI-655: - Showing a logging in notification during the log in process. NIFI-655: - Removing unnecessary class. NIFI-655: - Fixing checkstyle issues. - Showing the progress spinner while submitting account justification. NIFI-655: - Removing deprecated authentication strategy. - Renaming TLS to START_TLS. - Allowing the protocol to be configured. NIFI-655: - Fixing issue detecting the presence of DN column NIFI-655: - Pre-populating the login-identity-providers.xml file with necessary properties and documentation. - Renaming the Authentication Duration property name. NIFI-655: - Updating documentation for the failure response codes. NIFI-655: - Ensuring the user identity is not too long. NIFI-655: - Updating default authentication expiration to 12 hours. NIFI-655: - Remaining on the login form when there is any unsuccessful login attempt. - Fixing checkstyle issues.

79. Commit aaf14c45c96077c0075af8f3442e392b717244c1 in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=aaf14c4>] NIFI-655: - Refactoring web security to use Spring Security Java Configuration. - Introducing security in Web UI in order to get JWT. NIFI-655: - Setting up the resources (js/css) for the login page. NIFI-655: - Adding support for configuring anonymous roles. - Addressing checkstyle violations. NIFI-655: - Moving to token api to web-api. - Creating an LoginProvider API for user/pass based authentication. - Creating a module for funneling access to the authorized users. NIFI-655: - Moving away from usage of DN to identity

throughout the application (from the user db to the authorization provider). - Updating the authorized users schema to support login users. - Creating an extension point for authentication of users based on username/password. NIFI-655: - Creating an endpoint for returning the identity of the current user. - Updating the LoginAuthenticationFilter. NIFI-655: - Moving NiFi registration to the login page. - Running the authentication filters in a different order to ensure we can disambiguate each case. - Starting to layout each case... Forbidden, Login, Create User, Create NiFi Account. NIFI-655: - Addressing checkstyle issues. NIFI-655: - Making nf-storage available in the login page. - Requiring use of local storage. - Ignoring security for GET requests when obtaining the login configuration. NIFI-655: - Adding a new endpoint to obtain the status of a user registration. - Updated the login page loading to ensure all possible states work. NIFI-655: - Ensuring we know the necessary state before we attempt to render the login page. - Building the proxy chain in the JWT authentication filter. - Only rendering the login when appropriate. NIFI-655: - Starting to style the login page. - Added simple 'login' support by identifying username/password. Issuing JWT token coming... - Added logout support - Rendering the username when appropriate. NIFI-655: - Extracting certificate validation into a utility class. - Fixing checkstyle issues. - Cleaning up the web security context. - Removing proxy chain checking where possible. NIFI-655: - Starting to add support for registration. - Creating registration form. NIFI-655: - Starting to implement the JWT service. - Parsing JWT on client side in order to render who the user currently is when logged in. NIFI-655: - Allowing the user to link back to the log in page from the new account page. - Renaming DN to identity where possible. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding more/better support for logging out. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding a few new exceptions for the login identity provider. NIFI-655: - Disabling log in by default initially. - Restoring authorization service unit test. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Updating packages for log in filters. - Handling new registration exceptions. - Code clean up. NIFI-655: - Removing registration support. - Removing file based implementation. NIFI-655: - Removing file based implementation. NIFI-655: - Removing unused spring configuration files. NIFI-655: - Making the auto wiring more explicit. NIFI-655: - Removing unused dependencies. NIFI-655: - Removing unused filter. NIFI-655: - Updating the login API authenticate method to use a richer set of exceptions. - UI code clean. NIFI-655: - Ensuring the login identity provider is able to switch context classloaders via the standard NAR mechanisms. NIFI-655: - Initial commit of the LDAP based identity providers. - Fixed issue when attempting to log into a NiFi that does not support new account requests. NIFI-655: - Allowing the ldap provider to specify if client authentication is required/desired. NIFI-655: - Persisting keys to sign user tokens. - Allowing the identity provider to specify the token expiration. - Code clean up. NIFI-655: - Ensuring identities are unique in the key table. NIFI-655: - Adding support for specifying the user search base and user search filter in the active directory provider. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding automatic client side token renewal. NIFI-655: - Ensuring the logout link is rendered when appropriate. NIFI-655: - Adding configuration options for referrals and connect/read timeouts NIFI-655: - Added an endpoint for access details including configuration, creating tokens, and checking status. - Updated DTOs and client side to utilize new endpoints. NIFI-655: - Refactoring certificate extraction and validation. - Refactoring how expiration is specified in the login identity providers. - Adding unit tests for the access endpoints. - Code clean up. NIFI-655: - Keeping token expiration between 1 minute and 12 hours. NIFI-655: - Using the user identity provided by the login identity provider. NIFI-655: - Fixed typo in error message for unrecognized authentication strategy. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added logback-test.xml configuration resource for nifi-web-security. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added issuer field to LoginAuthenticationToken. - Updated AccessResource to pass identity provider class name when creating LoginAuthenticationTokens. - Began refactoring JWT logic from request parsing logic in JwtService. - Added unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Changed issuer field to use FQ class name because some classes return an empty string for getSimpleName(). - Finished refactoring JWT logic from request parsing logic in JwtService. - Updated AccessResource and JwtAuthenticationFilter to call new JwtService methods decoupled from request header parsing. - Added extensive unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Refactoring key service to expose the key id. - Handling client side expiration better. - Removing specialized active directory provider and abstract ldap provider. NIFI-655. - Updated JwtService and JwtServiceTest to use Key POJO instead of raw String key from KeyService. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Fixing typo when loading the ldap connect timeout. - Providing a better experience for session expiration. - Using ellipsis for lengthy user name. - Adding an issuer to the authentication response so the LIP can specify the appropriate value. NIFI-655: - Showing a logging in notification during the log in process. NIFI-655: - Removing unnecessary class. NIFI-655: - Fixing checkstyle issues. - Showing the progress spinner while submitting account justification. NIFI-655: - Removing deprecated authentication strategy.

- Renaming TLS to START_TLS. - Allowing the protocol to be configured. NIFI-655: - Fixing issue detecting the presence of DN column NIFI-655: - Pre-populating the login-identity-providers.xml file with necessary properties and documentation. - Renaming the Authentication Duration property name. NIFI-655: - Updating documentation for the failure response codes. NIFI-655: - Ensuring the user identity is not too long. NIFI-655: - Updating default authentication expiration to 12 hours. NIFI-655: - Remaining on the login form when there is any unsuccessful login attempt. - Fixing checkstyle issues.

80. Commit aaf14c45c96077c0075af8f3442e392b717244c1 in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=aaf14c4>] NIFI-655: - Refactoring web security to use Spring Security Java Configuration. - Introducing security in Web UI in order to get JWT. NIFI-655: - Setting up the resources (js/css) for the login page. NIFI-655: - Adding support for configuring anonymous roles. - Addressing checkstyle violations. NIFI-655: - Moving to token api to web-api. - Creating an LoginProvider API for user/pass based authentication. - Creating a module for funneling access to the authorized users. NIFI-655: - Moving away from usage of DN to identity throughout the application (from the user db to the authorization provider). - Updating the authorized users schema to support login users. - Creating an extension point for authentication of users based on username/password. NIFI-655: - Creating an endpoint for returning the identity of the current user. - Updating the LoginAuthenticationFilter. NIFI-655: - Moving NiFi registration to the login page. - Running the authentication filters in a different order to ensure we can disambiguate each case. - Starting to layout each case... Forbidden, Login, Create User, Create NiFi Account. NIFI-655: - Addressing checkstyle issues. NIFI-655: - Making nf-storage available in the login page. - Requiring use of local storage. - Ignoring security for GET requests when obtaining the login configuration. NIFI-655: - Adding a new endpoint to obtain the status of a user registration. - Updated the login page loading to ensure all possible states work. NIFI-655: - Ensuring we know the necessary state before we attempt to render the login page. - Building the proxy chain in the JWT authentication filter. - Only rendering the login when appropriate. NIFI-655: - Starting to style the login page. - Added simple 'login' support by identifying username/password. Issuing JWT token coming... - Added logout support - Rendering the username when appropriate. NIFI-655: - Extracting certificate validation into a utility class. - Fixing checkstyle issues. - Cleaning up the web security context. - Removing proxy chain checking where possible. NIFI-655: - Starting to add support for registration. - Creating registration form. NIFI-655: - Starting to implement the JWT service. - Parsing JWT on client side in order to render who the user currently is when logged in. NIFI-655: - Allowing the user to link back to the log in page from the new account page. - Renaming DN to identity where possible. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding more/better support for logging out. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding a few new exceptions for the login identity provider. NIFI-655: - Disabling log in by default initially. - Restoring authorization service unit test. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Updating packages for log in filters. - Handling new registration exceptions. - Code clean up. NIFI-655: - Removing registration support. - Removing file based implementation. NIFI-655: - Removing file based implementation. NIFI-655: - Removing unused spring configuration files. NIFI-655: - Making the auto wiring more explicit. NIFI-655: - Removing unused dependencies. NIFI-655: - Removing unused filter. NIFI-655: - Updating the login API authenticate method to use a richer set of exceptions. - UI code clean. NIFI-655: - Ensuring the login identity provider is able to switch context classloaders via the standard NAR mechanisms. NIFI-655: - Initial commit of the LDAP based identity providers. - Fixed issue when attempting to log into a NiFi that does not support new account requests. NIFI-655: - Allowing the ldap provider to specify if client authentication is required/desired. NIFI-655: - Persisting keys to sign user tokens. - Allowing the identity provider to specify the token expiration. - Code clean up. NIFI-655: - Ensuring identities are unique in the key table. NIFI-655: - Adding support for specifying the user search base and user search filter in the active directory provider. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding automatic client side token renewal. NIFI-655: - Ensuring the logout link is rendered when appropriate. NIFI-655: - Adding configuration options for referrals and connect/read timeouts NIFI-655: - Added an endpoint for access details including configuration, creating tokens, and checking status. - Updated DTOs and client side to utilize new endpoints. NIFI-655: - Refactoring certificate extraction and validation. - Refactoring how expiration is specified in the login identity providers. - Adding unit tests for the access endpoints. - Code clean up. NIFI-655: - Keeping token expiration between 1 minute and 12 hours. NIFI-655: - Using the user identity provided by the login identity provider. NIFI-655: - Fixed typo in error message for unrecognized authentication strategy. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added logback-test.xml configuration resource for nifi-web-security. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added issuer field to LoginAuthenticationToken. - Updated AccessResource to pass identity provider class name when creating LoginAuthenticationTokens. - Began refactoring JWT logic from request parsing logic in JwtService. - Added unit tests for JWT logic. Signed-

off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Changed issuer field to use FQ class name because some classes return an empty string for getSimpleName(). - Finished refactoring JWT logic from request parsing logic in JwtService. - Updated AccessResource and JwtAuthenticationFilter to call new JwtService methods decoupled from request header parsing. - Added extensive unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Refactoring key service to expose the key id. - Handling client side expiration better. - Removing specialized active directory provider and abstract ldap provider. NIFI-655. - Updated JwtService and JwtServiceTest to use Key POJO instead of raw String key from KeyService. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Fixing typo when loading the ldap connect timeout. - Providing a better experience for session expiration. - Using ellipsis for lengthy user name. - Adding an issuer to the authentication response so the LIP can specify the appropriate value. NIFI-655: - Showing a logging in notification during the log in process. NIFI-655: - Removing unnecessary class. NIFI-655: - Fixing checkstyle issues. - Showing the progress spinner while submitting account justification. NIFI-655: - Removing deprecated authentication strategy. - Renaming TLS to START_TLS. - Allowing the protocol to be configured. NIFI-655: - Fixing issue detecting the presence of DN column NIFI-655: - Pre-populating the login-identity-providers.xml file with necessary properties and documentation. - Renaming the Authentication Duration property name. NIFI-655: - Updating documentation for the failure response codes. NIFI-655: - Ensuring the user identity is not too long. NIFI-655: - Updating default authentication expiration to 12 hours. NIFI-655: - Remaining on the login form when there is any unsuccessful login attempt. - Fixing checkstyle issues.

81. Commit aaf14c45c96077c0075af8f3442e392b717244c1 in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=aaf14c4>] NIFI-655: - Refactoring web security to use Spring Security Java Configuration. - Introducing security in Web UI in order to get JWT. NIFI-655: - Setting up the resources (js/css) for the login page. NIFI-655: - Adding support for configuring anonymous roles. - Addressing checkstyle violations. NIFI-655: - Moving to token api to web-api. - Creating an LoginProvider API for user/pass based authentication. - Creating a module for funneling access to the authorized users. NIFI-655: - Moving away from usage of DN to identity throughout the application (from the user db to the authorization provider). - Updating the authorized users schema to support login users. - Creating an extension point for authentication of users based on username/password. NIFI-655: - Creating an endpoint for returning the identity of the current user. - Updating the LoginAuthenticationFilter. NIFI-655: - Moving NiFi registration to the login page. - Running the authentication filters in a different order to ensure we can disambiguate each case. - Starting to layout each case... Forbidden, Login, Create User, Create NiFi Account. NIFI-655: - Addressing checkstyle issues. NIFI-655: - Making nf-storage available in the login page. - Requiring use of local storage. - Ignoring security for GET requests when obtaining the login configuration. NIFI-655: - Adding a new endpoint to obtain the status of a user registration. - Updated the login page loading to ensure all possible states work. NIFI-655: - Ensuring we know the necessary state before we attempt to render the login page. - Building the proxy chain in the JWT authentication filter. - Only rendering the login when appropriate. NIFI-655: - Starting to style the login page. - Added simple 'login' support by identifying username/password. Issuing JWT token coming... - Added logout support - Rendering the username when appropriate. NIFI-655: - Extracting certificate validation into a utility class. - Fixing checkstyle issues. - Cleaning up the web security context. - Removing proxy chain checking where possible. NIFI-655: - Starting to add support for registration. - Creating registration form. NIFI-655: - Starting to implement the JWT service. - Parsing JWT on client side in order to render who the user currently is when logged in. NIFI-655: - Allowing the user to link back to the log in page from the new account page. - Renaming DN to identity where possible. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding more/better support for logging out. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding a few new exceptions for the login identity provider. NIFI-655: - Disabling log in by default initially. - Restoring authorization service unit test. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Updating packages for log in filters. - Handling new registration exceptions. - Code clean up. NIFI-655: - Removing registration support. - Removing file based implementation. NIFI-655: - Removing file based implementation. NIFI-655: - Removing unused spring configuration files. NIFI-655: - Making the auto wiring more explicit. NIFI-655: - Removing unused dependencies. NIFI-655: - Removing unused filter. NIFI-655: - Updating the login API authenticate method to use a richer set of exceptions. - UI code clean. NIFI-655: - Ensuring the login identity provider is able to switch context classloaders via the standard NAR mechanisms. NIFI-655: - Initial commit of the LDAP based identity providers. - Fixed issue when attempting to log into a NiFi that does not support new account requests. NIFI-655: - Allowing the ldap provider to specify if client authentication is required/desired. NIFI-655: - Persisting keys to sign user tokens. - Allowing the identity provider to specify the token expiration. - Code clean up. NIFI-655: - Ensuring identities are unique in the key table. NIFI-655: - Adding support for specifying the user search base and user search

filter in the active directory provider. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding automatic client side token renewal. NIFI-655: - Ensuring the logout link is rendered when appropriate. NIFI-655: - Adding configuration options for referrals and connect/read timeouts NIFI-655: - Added an endpoint for access details including configuration, creating tokens, and checking status. - Updated DTOs and client side to utilize new endpoints. NIFI-655: - Refactoring certificate extraction and validation. - Refactoring how expiration is specified in the login identity providers. - Adding unit tests for the access endpoints. - Code clean up. NIFI-655: - Keeping token expiration between 1 minute and 12 hours. NIFI-655: - Using the user identity provided by the login identity provider. NIFI-655: - Fixed typo in error message for unrecognized authentication strategy. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added logback-test.xml configuration resource for nifi-web-security. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added issuer field to LoginAuthenticationToken. - Updated AccessResource to pass identity provider class name when creating LoginAuthenticationTokens. - Began refactoring JWT logic from request parsing logic in JwtService. - Added unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Changed issuer field to use FQ class name because some classes return an empty string for getSimpleName(). - Finished refactoring JWT logic from request parsing logic in JwtService. - Updated AccessResource and JwtAuthenticationFilter to call new JwtService methods decoupled from request header parsing. - Added extensive unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Refactoring key service to expose the key id. - Handling client side expiration better. - Removing specialized active directory provider and abstract ldap provider. NIFI-655. - Updated JwtService and JwtServiceTest to use Key POJO instead of raw String key from KeyService. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Fixing typo when loading the ldap connect timeout. - Providing a better experience for session expiration. - Using ellipsis for lengthy user name. - Adding an issuer to the authentication response so the LIP can specify the appropriate value. NIFI-655: - Showing a logging in notification during the log in process. NIFI-655: - Removing unnecessary class. NIFI-655: - Fixing checkstyle issues. - Showing the progress spinner while submitting account justification. NIFI-655: - Removing deprecated authentication strategy. - Renaming TLS to START_TLS. - Allowing the protocol to be configured. NIFI-655: - Fixing issue detecting the presence of DN column NIFI-655: - Pre-populating the login-identity-providers.xml file with necessary properties and documentation. - Renaming the Authentication Duration property name. NIFI-655: - Updating documentation for the failure response codes. NIFI-655: - Ensuring the user identity is not too long. NIFI-655: - Updating default authentication expiration to 12 hours. NIFI-655: - Remaining on the login form when there is any unsuccessful login attempt. - Fixing checkstyle issues.

82. Commit aaf14c45c96077c0075af8f3442e392b717244c1 in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=aaf14c4>] NIFI-655: - Refactoring web security to use Spring Security Java Configuration. - Introducing security in Web UI in order to get JWT. NIFI-655: - Setting up the resources (js/css) for the login page. NIFI-655: - Adding support for configuring anonymous roles. - Addressing checkstyle violations. NIFI-655: - Moving to token api to web-api. - Creating an LoginProvider API for user/pass based authentication. - Creating a module for funneling access to the authorized users. NIFI-655: - Moving away from usage of DN to identity throughout the application (from the user db to the authorization provider). - Updating the authorized users schema to support login users. - Creating an extension point for authentication of users based on username/password. NIFI-655: - Creating an endpoint for returning the identity of the current user. - Updating the LoginAuthenticationFilter. NIFI-655: - Moving NiFi registration to the login page. - Running the authentication filters in a different order to ensure we can disambiguate each case. - Starting to layout each case... Forbidden, Login, Create User, Create NiFi Account. NIFI-655: - Addressing checkstyle issues. NIFI-655: - Making nf-storage available in the login page. - Requiring use of local storage. - Ignoring security for GET requests when obtaining the login configuration. NIFI-655: - Adding a new endpoint to obtain the status of a user registration. - Updated the login page loading to ensure all possible states work. NIFI-655: - Ensuring we know the necessary state before we attempt to render the login page. - Building the proxy chain in the JWT authentication filter. - Only rendering the login when appropriate. NIFI-655: - Starting to style the login page. - Added simple 'login' support by identifying username/password. Issuing JWT token coming... - Added logout support - Rendering the username when appropriate. NIFI-655: - Extracting certificate validation into a utility class. - Fixing checkstyle issues. - Cleaning up the web security context. - Removing proxy chain checking where possible. NIFI-655: - Starting to add support for registration. - Creating registration form. NIFI-655: - Starting to implement the JWT service. - Parsing JWT on client side in order to render who the user currently is when logged in. NIFI-655: - Allowing the user to link back to the log in page from the new account page. - Renaming DN to identity where possible. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding more/better support for logging out. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding a few new exceptions for the

login identity provider. NIFI-655: - Disabling log in by default initially. - Restoring authorization service unit test. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Updating packages for log in filters. - Handling new registration exceptions. - Code clean up. NIFI-655: - Removing registration support. - Removing file based implementation. NIFI-655: - Removing file based implementation. NIFI-655: - Removing unused spring configuration files. NIFI-655: - Making the auto wiring more explicit. NIFI-655: - Removing unused dependencies. NIFI-655: - Removing unused filter. NIFI-655: - Updating the login API authenticate method to use a richer set of exceptions. - UI code clean. NIFI-655: - Ensuring the login identity provider is able to switch context classloaders via the standard NAR mechanisms. NIFI-655: - Initial commit of the LDAP based identity providers. - Fixed issue when attempting to log into a NiFi that does not support new account requests. NIFI-655: - Allowing the ldap provider to specify if client authentication is required/desired. NIFI-655: - Persisting keys to sign user tokens. - Allowing the identity provider to specify the token expiration. - Code clean up. NIFI-655: - Ensuring identities are unique in the key table. NIFI-655: - Adding support for specifying the user search base and user search filter in the active directory provider. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding automatic client side token renewal. NIFI-655: - Ensuring the logout link is rendered when appropriate. NIFI-655: - Adding configuration options for referrals and connect/read timeouts NIFI-655: - Added an endpoint for access details including configuration, creating tokens, and checking status. - Updated DTOs and client side to utilize new endpoints. NIFI-655: - Refactoring certificate extraction and validation. - Refactoring how expiration is specified in the login identity providers. - Adding unit tests for the access endpoints. - Code clean up. NIFI-655: - Keeping token expiration between 1 minute and 12 hours. NIFI-655: - Using the user identity provided by the login identity provider. NIFI-655: - Fixed typo in error message for unrecognized authentication strategy. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added logback-test.xml configuration resource for nifi-web-security. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added issuer field to LoginAuthenticationToken. - Updated AccessResource to pass identity provider class name when creating LoginAuthenticationTokens. - Began refactoring JWT logic from request parsing logic in JwtService. - Added unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Changed issuer field to use FQ class name because some classes return an empty string for getSimpleName(). - Finished refactoring JWT logic from request parsing logic in JwtService. - Updated AccessResource and JwtAuthenticationFilter to call new JwtService methods decoupled from request header parsing. - Added extensive unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Refactoring key service to expose the key id. - Handling client side expiration better. - Removing specialized active directory provider and abstract ldap provider. NIFI-655. - Updated JwtService and JwtServiceTest to use Key POJO instead of raw String key from KeyService. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Fixing typo when loading the ldap connect timeout. - Providing a better experience for session expiration. - Using ellipsis for lengthy user name. - Adding an issuer to the authentication response so the LIP can specify the appropriate value. NIFI-655: - Showing a logging in notification during the log in process. NIFI-655: - Removing unnecessary class. NIFI-655: - Fixing checkstyle issues. - Showing the progress spinner while submitting account justification. NIFI-655: - Removing deprecated authentication strategy. - Renaming TLS to START_TLS. - Allowing the protocol to be configured. NIFI-655: - Fixing issue detecting the presence of DN column NIFI-655: - Pre-populating the login-identity-providers.xml file with necessary properties and documentation. - Renaming the Authentication Duration property name. NIFI-655: - Updating documentation for the failure response codes. NIFI-655: - Ensuring the user identity is not too long. NIFI-655: - Updating default authentication expiration to 12 hours. NIFI-655: - Remaining on the login form when there is any unsuccessful login attempt. - Fixing checkstyle issues.

83. Commit aaf14c45c96077c0075af8f3442e392b717244c1 in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=aaf14c4>] NIFI-655: - Refactoring web security to use Spring Security Java Configuration. - Introducing security in Web UI in order to get JWT. NIFI-655: - Setting up the resources (js/css) for the login page. NIFI-655: - Adding support for configuring anonymous roles. - Addressing checkstyle violations. NIFI-655: - Moving to token api to web-api. - Creating an LoginProvider API for user/pass based authentication. - Creating a module for funneling access to the authorized users. NIFI-655: - Moving away from usage of DN to identity throughout the application (from the user db to the authorization provider). - Updating the authorized users schema to support login users. - Creating an extension point for authentication of users based on username/password. NIFI-655: - Creating an endpoint for returning the identity of the current user. - Updating the LoginAuthenticationFilter. NIFI-655: - Moving NiFi registration to the login page. - Running the authentication filters in a different order to ensure we can disambiguate each case. - Starting to layout each case... Forbidden, Login, Create User, Create NiFi Account. NIFI-655: - Addressing checkstyle issues. NIFI-655: - Making nf-storage available in the login page. - Requiring use of local

storage. - Ignoring security for GET requests when obtaining the login configuration. NIFI-655: - Adding a new endpoint to obtain the status of a user registration. - Updated the login page loading to ensure all possible states work. NIFI-655: - Ensuring we know the necessary state before we attempt to render the login page. - Building the proxy chain in the JWT authentication filter. - Only rendering the login when appropriate. NIFI-655: - Starting to style the login page. - Added simple 'login' support by identifying username/password. Issuing JWT token coming... - Added logout support - Rendering the username when appropriate. NIFI-655: - Extracting certificate validation into a utility class. - Fixing checkstyle issues. - Cleaning up the web security context. - Removing proxy chain checking where possible. NIFI-655: - Starting to add support for registration. - Creating registration form. NIFI-655: - Starting to implement the JWT service. - Parsing JWT on client side in order to render who the user currently is when logged in. NIFI-655: - Allowing the user to link back to the log in page from the new account page. - Renaming DN to identity where possible. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding more/better support for logging out. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding a few new exceptions for the login identity provider. NIFI-655: - Disabling log in by default initially. - Restoring authorization service unit test. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Updating packages for log in filters. - Handling new registration exceptions. - Code clean up. NIFI-655: - Removing registration support. - Removing file based implementation. NIFI-655: - Removing file based implementation. NIFI-655: - Removing unused spring configuration files. NIFI-655: - Making the auto wiring more explicit. NIFI-655: - Removing unused dependencies. NIFI-655: - Removing unused filter. NIFI-655: - Updating the login API authenticate method to use a richer set of exceptions. - UI code clean. NIFI-655: - Ensuring the login identity provider is able to switch context classloaders via the standard NAR mechanisms. NIFI-655: - Initial commit of the LDAP based identity providers. - Fixed issue when attempting to log into a NiFi that does not support new account requests. NIFI-655: - Allowing the ldap provider to specify if client authentication is required/desired. NIFI-655: - Persisting keys to sign user tokens. - Allowing the identity provider to specify the token expiration. - Code clean up. NIFI-655: - Ensuring identities are unique in the key table. NIFI-655: - Adding support for specifying the user search base and user search filter in the active directory provider. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding automatic client side token renewal. NIFI-655: - Ensuring the logout link is rendered when appropriate. NIFI-655: - Adding configuration options for referrals and connect/read timeouts NIFI-655: - Added an endpoint for access details including configuration, creating tokens, and checking status. - Updated DTOs and client side to utilize new endpoints. NIFI-655: - Refactoring certificate extraction and validation. - Refactoring how expiration is specified in the login identity providers. - Adding unit tests for the access endpoints. - Code clean up. NIFI-655: - Keeping token expiration between 1 minute and 12 hours. NIFI-655: - Using the user identity provided by the login identity provider. NIFI-655: - Fixed typo in error message for unrecognized authentication strategy. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added logback-test.xml configuration resource for nifi-web-security. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added issuer field to LoginAuthenticationToken. - Updated AccessResource to pass identity provider class name when creating LoginAuthenticationTokens. - Began refactoring JWT logic from request parsing logic in JwtService. - Added unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Changed issuer field to use FQ class name because some classes return an empty string for getSimpleName(). - Finished refactoring JWT logic from request parsing logic in JwtService. - Updated AccessResource and JwtAuthenticationFilter to call new JwtService methods decoupled from request header parsing. - Added extensive unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Refactoring key service to expose the key id. - Handling client side expiration better. - Removing specialized active directory provider and abstract ldap provider. NIFI-655. - Updated JwtService and JwtServiceTest to use Key POJO instead of raw String key from KeyService. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Fixing typo when loading the ldap connect timeout. - Providing a better experience for session expiration. - Using ellipsis for lengthy user name. - Adding an issuer to the authentication response so the LIP can specify the appropriate value. NIFI-655: - Showing a logging in notification during the log in process. NIFI-655: - Removing unnecessary class. NIFI-655: - Fixing checkstyle issues. - Showing the progress spinner while submitting account justification. NIFI-655: - Removing deprecated authentication strategy. - Renaming TLS to START_TLS. - Allowing the protocol to be configured. NIFI-655: - Fixing issue detecting the presence of DN column NIFI-655: - Pre-populating the login-identity-providers.xml file with necessary properties and documentation. - Renaming the Authentication Duration property name. NIFI-655: - Updating documentation for the failure response codes. NIFI-655: - Ensuring the user identity is not too long. NIFI-655: - Updating default authentication expiration to 12 hours. NIFI-655: - Remaining on the login form when there is any unsuccessful login attempt. - Fixing checkstyle issues.

84. Commit aaf14c45c96077c0075af8f3442e392b717244c1 in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=aaf14c4>] NIFI-655: - Refactoring web security to use Spring Security Java Configuration. - Introducing security in Web UI in order to get JWT. NIFI-655: - Setting up the resources (js/css) for the login page. NIFI-655: - Adding support for configuring anonymous roles. - Addressing checkstyle violations. NIFI-655: - Moving to token api to web-api. - Creating an LoginProvider API for user/pass based authentication. - Creating a module for funneling access to the authorized users. NIFI-655: - Moving away from usage of DN to identity throughout the application (from the user db to the authorization provider). - Updating the authorized users schema to support login users. - Creating an extension point for authentication of users based on username/password. NIFI-655: - Creating an endpoint for returning the identity of the current user. - Updating the LoginAuthenticationFilter. NIFI-655: - Moving NiFi registration to the login page. - Running the authentication filters in a different order to ensure we can disambiguate each case. - Starting to layout each case... Forbidden, Login, Create User, Create NiFi Account. NIFI-655: - Addressing checkstyle issues. NIFI-655: - Making nf-storage available in the login page. - Requiring use of local storage. - Ignoring security for GET requests when obtaining the login configuration. NIFI-655: - Adding a new endpoint to obtain the status of a user registration. - Updated the login page loading to ensure all possible states work. NIFI-655: - Ensuring we know the necessary state before we attempt to render the login page. - Building the proxy chain in the JWT authentication filter. - Only rendering the login when appropriate. NIFI-655: - Starting to style the login page. - Added simple 'login' support by identifying username/password. Issuing JWT token coming... - Added logout support - Rendering the username when appropriate. NIFI-655: - Extracting certificate validation into a utility class. - Fixing checkstyle issues. - Cleaning up the web security context. - Removing proxy chain checking where possible. NIFI-655: - Starting to add support for registration. - Creating registration form. NIFI-655: - Starting to implement the JWT service. - Parsing JWT on client side in order to render who the user currently is when logged in. NIFI-655: - Allowing the user to link back to the log in page from the new account page. - Renaming DN to identity where possible. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding more/better support for logging out. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding a few new exceptions for the login identity provider. NIFI-655: - Disabling log in by default initially. - Restoring authorization service unit test. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Updating packages for log in filters. - Handling new registration exceptions. - Code clean up. NIFI-655: - Removing registration support. - Removing file based implementation. NIFI-655: - Removing file based implementation. NIFI-655: - Removing unused spring configuration files. NIFI-655: - Making the auto wiring more explicit. NIFI-655: - Removing unused dependencies. NIFI-655: - Removing unused filter. NIFI-655: - Updating the login API authenticate method to use a richer set of exceptions. - UI code clean. NIFI-655: - Ensuring the login identity provider is able to switch context classloaders via the standard NAR mechanisms. NIFI-655: - Initial commit of the LDAP based identity providers. - Fixed issue when attempting to log into a NiFi that does not support new account requests. NIFI-655: - Allowing the ldap provider to specify if client authentication is required/desired. NIFI-655: - Persisting keys to sign user tokens. - Allowing the identity provider to specify the token expiration. - Code clean up. NIFI-655: - Ensuring identities are unique in the key table. NIFI-655: - Adding support for specifying the user search base and user search filter in the active directory provider. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding automatic client side token renewal. NIFI-655: - Ensuring the logout link is rendered when appropriate. NIFI-655: - Adding configuration options for referrals and connect/read timeouts NIFI-655: - Added an endpoint for access details including configuration, creating tokens, and checking status. - Updated DTOs and client side to utilize new endpoints. NIFI-655: - Refactoring certificate extraction and validation. - Refactoring how expiration is specified in the login identity providers. - Adding unit tests for the access endpoints. - Code clean up. NIFI-655: - Keeping token expiration between 1 minute and 12 hours. NIFI-655: - Using the user identity provided by the login identity provider. NIFI-655: - Fixed typo in error message for unrecognized authentication strategy. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added logback-test.xml configuration resource for nifi-web-security. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added issuer field to LoginAuthenticationToken. - Updated AccessResource to pass identity provider class name when creating LoginAuthenticationTokens. - Began refactoring JWT logic from request parsing logic in JwtService. - Added unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Changed issuer field to use FQ class name because some classes return an empty string for getSimpleName(). - Finished refactoring JWT logic from request parsing logic in JwtService. - Updated AccessResource and JwtAuthenticationFilter to call new JwtService methods decoupled from request header parsing. - Added extensive unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Refactoring key service to expose the key id. - Handling client side expiration better. - Removing specialized active directory provider and

abstract ldap provider. NIFI-655: - Updated JwtService and JwtServiceTest to use Key POJO instead of raw String key from KeyService. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Fixing typo when loading the ldap connect timeout. - Providing a better experience for session expiration. - Using ellipsis for lengthy user name. - Adding an issuer to the authentication response so the LIP can specify the appropriate value. NIFI-655: - Showing a logging in notification during the log in process. NIFI-655: - Removing unnecessary class. NIFI-655: - Fixing checkstyle issues. - Showing the progress spinner while submitting account justification. NIFI-655: - Removing deprecated authentication strategy. - Renaming TLS to START_TLS. - Allowing the protocol to be configured. NIFI-655: - Fixing issue detecting the presence of DN column NIFI-655: - Pre-populating the login-identity-providers.xml file with necessary properties and documentation. - Renaming the Authentication Duration property name. NIFI-655: - Updating documentation for the failure response codes. NIFI-655: - Ensuring the user identity is not too long. NIFI-655: - Updating default authentication expiration to 12 hours. NIFI-655: - Remaining on the login form when there is any unsuccessful login attempt. - Fixing checkstyle issues.

85. Commit aaf14c45c96077c0075af8f3442e392b717244c1 in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=aaf14c4>] NIFI-655: - Refactoring web security to use Spring Security Java Configuration. - Introducing security in Web UI in order to get JWT. NIFI-655: - Setting up the resources (js/css) for the login page. NIFI-655: - Adding support for configuring anonymous roles. - Addressing checkstyle violations. NIFI-655: - Moving to token api to web-api. - Creating an LoginProvider API for user/pass based authentication. - Creating a module for funneling access to the authorized users. NIFI-655: - Moving away from usage of DN to identity throughout the application (from the user db to the authorization provider). - Updating the authorized users schema to support login users. - Creating an extension point for authentication of users based on username/password. NIFI-655: - Creating an endpoint for returning the identity of the current user. - Updating the LoginAuthenticationFilter. NIFI-655: - Moving NiFi registration to the login page. - Running the authentication filters in a different order to ensure we can disambiguate each case. - Starting to layout each case... Forbidden, Login, Create User, Create NiFi Account. NIFI-655: - Addressing checkstyle issues. NIFI-655: - Making nf-storage available in the login page. - Requiring use of local storage. - Ignoring security for GET requests when obtaining the login configuration. NIFI-655: - Adding a new endpoint to obtain the status of a user registration. - Updated the login page loading to ensure all possible states work. NIFI-655: - Ensuring we know the necessary state before we attempt to render the login page. - Building the proxy chain in the JWT authentication filter. - Only rendering the login when appropriate. NIFI-655: - Starting to style the login page. - Added simple 'login' support by identifying username/password. Issuing JWT token coming... - Added logout support - Rendering the username when appropriate. NIFI-655: - Extracting certificate validation into a utility class. - Fixing checkstyle issues. - Cleaning up the web security context. - Removing proxy chain checking where possible. NIFI-655: - Starting to add support for registration. - Creating registration form. NIFI-655: - Starting to implement the JWT service. - Parsing JWT on client side in order to render who the user currently is when logged in. NIFI-655: - Allowing the user to link back to the log in page from the new account page. - Renaming DN to identity where possible. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding more/better support for logging out. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding a few new exceptions for the login identity provider. NIFI-655: - Disabling log in by default initially. - Restoring authorization service unit test. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Updating packages for log in filters. - Handling new registration exceptions. - Code clean up. NIFI-655: - Removing registration support. - Removing file based implementation. NIFI-655: - Removing file based implementation. NIFI-655: - Removing unused spring configuration files. NIFI-655: - Making the auto wiring more explicit. NIFI-655: - Removing unused dependencies. NIFI-655: - Removing unused filter. NIFI-655: - Updating the login API authenticate method to use a richer set of exceptions. - UI code clean. NIFI-655: - Ensuring the login identity provider is able to switch context classloaders via the standard NAR mechanisms. NIFI-655: - Initial commit of the LDAP based identity providers. - Fixed issue when attempting to log into a NiFi that does not support new account requests. NIFI-655: - Allowing the ldap provider to specify if client authentication is required/desired. NIFI-655: - Persisting keys to sign user tokens. - Allowing the identity provider to specify the token expiration. - Code clean up. NIFI-655: - Ensuring identities are unique in the key table. NIFI-655: - Adding support for specifying the user search base and user search filter in the active directory provider. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding automatic client side token renewal. NIFI-655: - Ensuring the logout link is rendered when appropriate. NIFI-655: - Adding configuration options for referrals and connect/read timeouts NIFI-655: - Added an endpoint for access details including configuration, creating tokens, and checking status. - Updated DTOs and client side to utilize new endpoints. NIFI-655: - Refactoring certificate extraction and validation. - Refactoring how expiration is specified in the login identity providers. - Adding unit tests for the access endpoints. -

Code clean up. NIFI-655: - Keeping token expiration between 1 minute and 12 hours. NIFI-655: - Using the user identity provided by the login identity provider. NIFI-655: - Fixed typo in error message for unrecognized authentication strategy. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Added logback-test.xml configuration resource for nifi-web-security. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Added issuer field to LoginAuthenticationToken. - Updated AccessResource to pass identity provider class name when creating LoginAuthenticationTokens. - Began refactoring JWT logic from request parsing logic in JwtService. - Added unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Changed issuer field to use FQ class name because some classes return an empty string for getSimpleName(). - Finished refactoring JWT logic from request parsing logic in JwtService. - Updated AccessResource and JwtAuthenticationFilter to call new JwtService methods decoupled from request header parsing. - Added extensive unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Refactoring key service to expose the key id. - Handling client side expiration better. - Removing specialized active directory provider and abstract ldap provider. NIFI-655: - Updated JwtService and JwtServiceTest to use Key POJO instead of raw String key from KeyService. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Fixing typo when loading the ldap connect timeout. - Providing a better experience for session expiration. - Using ellipsis for lengthy user name. - Adding an issuer to the authentication response so the LIP can specify the appropriate value. NIFI-655: - Showing a logging in notification during the log in process. NIFI-655: - Removing unnecessary class. NIFI-655: - Fixing checkstyle issues. - Showing the progress spinner while submitting account justification. NIFI-655: - Removing deprecated authentication strategy. - Renaming TLS to START_TLS. - Allowing the protocol to be configured. NIFI-655: - Fixing issue detecting the presence of DN column NIFI-655: - Pre-populating the login-identity-providers.xml file with necessary properties and documentation. - Renaming the Authentication Duration property name. NIFI-655: - Updating documentation for the failure response codes. NIFI-655: - Ensuring the user identity is not too long. NIFI-655: - Updating default authentication expiration to 12 hours. NIFI-655: - Remaining on the login form when there is any unsuccessful login attempt. - Fixing checkstyle issues.

86. Commit aaf14c45c96077c0075af8f3442e392b717244c1 in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=aaf14c4>] NIFI-655: - Refactoring web security to use Spring Security Java Configuration. - Introducing security in Web UI in order to get JWT. NIFI-655: - Setting up the resources (js/css) for the login page. NIFI-655: - Adding support for configuring anonymous roles. - Addressing checkstyle violations. NIFI-655: - Moving to token api to web-api. - Creating an LoginProvider API for user/pass based authentication. - Creating a module for funneling access to the authorized users. NIFI-655: - Moving away from usage of DN to identity throughout the application (from the user db to the authorization provider). - Updating the authorized users schema to support login users. - Creating an extension point for authentication of users based on username/password. NIFI-655: - Creating an endpoint for returning the identity of the current user. - Updating the LoginAuthenticationFilter. NIFI-655: - Moving NiFi registration to the login page. - Running the authentication filters in a different order to ensure we can disambiguate each case. - Starting to layout each case... Forbidden, Login, Create User, Create NiFi Account. NIFI-655: - Addressing checkstyle issues. NIFI-655: - Making nf-storage available in the login page. - Requiring use of local storage. - Ignoring security for GET requests when obtaining the login configuration. NIFI-655: - Adding a new endpoint to obtain the status of a user registration. - Updated the login page loading to ensure all possible states work. NIFI-655: - Ensuring we know the necessary state before we attempt to render the login page. - Building the proxy chain in the JWT authentication filter. - Only rendering the login when appropriate. NIFI-655: - Starting to style the login page. - Added simple 'login' support by identifying username/password. Issuing JWT token coming... - Added logout support - Rendering the username when appropriate. NIFI-655: - Extracting certificate validation into a utility class. - Fixing checkstyle issues. - Cleaning up the web security context. - Removing proxy chain checking where possible. NIFI-655: - Starting to add support for registration. - Creating registration form. NIFI-655: - Starting to implement the JWT service. - Parsing JWT on client side in order to render who the user currently is when logged in. NIFI-655: - Allowing the user to link back to the log in page from the new account page. - Renaming DN to identity where possible. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding more/better support for logging out. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding a few new exceptions for the login identity provider. NIFI-655: - Disabling log in by default initially. - Restoring authorization service unit test. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Updating packages for log in filters. - Handling new registration exceptions. - Code clean up. NIFI-655: - Removing registration support. - Removing file based implementation. NIFI-655: - Removing file based implementation. NIFI-655: - Removing unused spring configuration files. NIFI-655: - Making the auto wiring more explicit. NIFI-655: - Removing unused dependencies. NIFI-655: - Removing unused filter. NIFI-655: - Updating the

login API authenticate method to use a richer set of exceptions. - UI code clean. NIFI-655: - Ensuring the login identity provider is able to switch context classloaders via the standard NAR mechanisms. NIFI-655: - Initial commit of the LDAP based identity providers. - Fixed issue when attempting to log into a NiFi that does not support new account requests. NIFI-655: - Allowing the ldap provider to specify if client authentication is required/desired. NIFI-655: - Persisting keys to sign user tokens. - Allowing the identity provider to specify the token expiration. - Code clean up. NIFI-655: - Ensuring identities are unique in the key table. NIFI-655: - Adding support for specifying the user search base and user search filter in the active directory provider. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding automatic client side token renewal. NIFI-655: - Ensuring the logout link is rendered when appropriate. NIFI-655: - Adding configuration options for referrals and connect/read timeouts NIFI-655: - Added an endpoint for access details including configuration, creating tokens, and checking status. - Updated DTOs and client side to utilize new endpoints. NIFI-655: - Refactoring certificate extraction and validation. - Refactoring how expiration is specified in the login identity providers. - Adding unit tests for the access endpoints. - Code clean up. NIFI-655: - Keeping token expiration between 1 minute and 12 hours. NIFI-655: - Using the user identity provided by the login identity provider. NIFI-655: - Fixed typo in error message for unrecognized authentication strategy. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added logback-test.xml configuration resource for nifi-web-security. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added issuer field to LoginAuthenticationToken. - Updated AccessResource to pass identity provider class name when creating LoginAuthenticationTokens. - Began refactoring JWT logic from request parsing logic in JwtService. - Added unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Changed issuer field to use FQ class name because some classes return an empty string for getSimpleName(). - Finished refactoring JWT logic from request parsing logic in JwtService. - Updated AccessResource and JwtAuthenticationFilter to call new JwtService methods decoupled from request header parsing. - Added extensive unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Refactoring key service to expose the key id. - Handling client side expiration better. - Removing specialized active directory provider and abstract ldap provider. NIFI-655. - Updated JwtService and JwtServiceTest to use Key POJO instead of raw String key from KeyService. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Fixing typo when loading the ldap connect timeout. - Providing a better experience for session expiration. - Using ellipsis for lengthy user name. - Adding an issuer to the authentication response so the LIP can specify the appropriate value. NIFI-655: - Showing a logging in notification during the log in process. NIFI-655: - Removing unnecessary class. NIFI-655: - Fixing checkstyle issues. - Showing the progress spinner while submitting account justification. NIFI-655: - Removing deprecated authentication strategy. - Renaming TLS to START_TLS. - Allowing the protocol to be configured. NIFI-655: - Fixing issue detecting the presence of DN column NIFI-655: - Pre-populating the login-identity-providers.xml file with necessary properties and documentation. - Renaming the Authentication Duration property name. NIFI-655: - Updating documentation for the failure response codes. NIFI-655: - Ensuring the user identity is not too long. NIFI-655: - Updating default authentication expiration to 12 hours. NIFI-655: - Remaining on the login form when there is any unsuccessful login attempt. - Fixing checkstyle issues.

87. Commit aaf14c45c96077c0075af8f3442e392b717244c1 in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=aaf14c4>] NIFI-655: - Refactoring web security to use Spring Security Java Configuration. - Introducing security in Web UI in order to get JWT. NIFI-655: - Setting up the resources (js/css) for the login page. NIFI-655: - Adding support for configuring anonymous roles. - Addressing checkstyle violations. NIFI-655: - Moving to token api to web-api. - Creating an LoginProvider API for user/pass based authentication. - Creating a module for funneling access to the authorized users. NIFI-655: - Moving away from usage of DN to identity throughout the application (from the user db to the authorization provider). - Updating the authorized users schema to support login users. - Creating an extension point for authentication of users based on username/password. NIFI-655: - Creating an endpoint for returning the identity of the current user. - Updating the LoginAuthenticationFilter. NIFI-655: - Moving NiFi registration to the login page. - Running the authentication filters in a different order to ensure we can disambiguate each case. - Starting to layout each case... Forbidden, Login, Create User, Create NiFi Account. NIFI-655: - Addressing checkstyle issues. NIFI-655: - Making nf-storage available in the login page. - Requiring use of local storage. - Ignoring security for GET requests when obtaining the login configuration. NIFI-655: - Adding a new endpoint to obtain the status of a user registration. - Updated the login page loading to ensure all possible states work. NIFI-655: - Ensuring we know the necessary state before we attempt to render the login page. - Building the proxy chain in the JWT authentication filter. - Only rendering the login when appropriate. NIFI-655: - Starting to style the login page. - Added simple 'login' support by identifying username/password. Issuing JWT token coming... - Added logout support - Rendering the username when

appropriate. NIFI-655: - Extracting certificate validation into a utility class. - Fixing checkstyle issues. - Cleaning up the web security context. - Removing proxy chain checking where possible. NIFI-655: - Starting to add support for registration. - Creating registration form. NIFI-655: - Starting to implement the JWT service. - Parsing JWT on client side in order to render who the user currently is when logged in. NIFI-655: - Allowing the user to link back to the log in page from the new account page. - Renaming DN to identity where possible. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding more/better support for logging out. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding a few new exceptions for the login identity provider. NIFI-655: - Disabling log in by default initially. - Restoring authorization service unit test. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Updating packages for log in filters. - Handling new registration exceptions. - Code clean up. NIFI-655: - Removing registration support. - Removing file based implementation. NIFI-655: - Removing file based implementation. NIFI-655: - Removing unused spring configuration files. NIFI-655: - Making the auto wiring more explicit. NIFI-655: - Removing unused dependencies. NIFI-655: - Removing unused filter. NIFI-655: - Updating the login API authenticate method to use a richer set of exceptions. - UI code clean. NIFI-655: - Ensuring the login identity provider is able to switch context classloaders via the standard NAR mechanisms. NIFI-655: - Initial commit of the LDAP based identity providers. - Fixed issue when attempting to log into a NiFi that does not support new account requests. NIFI-655: - Allowing the ldap provider to specify if client authentication is required/desired. NIFI-655: - Persisting keys to sign user tokens. - Allowing the identity provider to specify the token expiration. - Code clean up. NIFI-655: - Ensuring identities are unique in the key table. NIFI-655: - Adding support for specifying the user search base and user search filter in the active directory provider. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding automatic client side token renewal. NIFI-655: - Ensuring the logout link is rendered when appropriate. NIFI-655: - Adding configuration options for referrals and connect/read timeouts NIFI-655: - Added an endpoint for access details including configuration, creating tokens, and checking status. - Updated DTOs and client side to utilize new endpoints. NIFI-655: - Refactoring certificate extraction and validation. - Refactoring how expiration is specified in the login identity providers. - Adding unit tests for the access endpoints. - Code clean up. NIFI-655: - Keeping token expiration between 1 minute and 12 hours. NIFI-655: - Using the user identity provided by the login identity provider. NIFI-655: - Fixed typo in error message for unrecognized authentication strategy. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added logback-test.xml configuration resource for nifi-web-security. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added issuer field to LoginAuthenticationToken. - Updated AccessResource to pass identity provider class name when creating LoginAuthenticationTokens. - Began refactoring JWT logic from request parsing logic in JwtService. - Added unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Changed issuer field to use FQ class name because some classes return an empty string for getSimpleName(). - Finished refactoring JWT logic from request parsing logic in JwtService. - Updated AccessResource and JwtAuthenticationFilter to call new JwtService methods decoupled from request header parsing. - Added extensive unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Refactoring key service to expose the key id. - Handling client side expiration better. - Removing specialized active directory provider and abstract ldap provider. NIFI-655. - Updated JwtService and JwtServiceTest to use Key POJO instead of raw String key from KeyService. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Fixing typo when loading the ldap connect timeout. - Providing a better experience for session expiration. - Using ellipsis for lengthy user name. - Adding an issuer to the authentication response so the LIP can specify the appropriate value. NIFI-655: - Showing a logging in notification during the log in process. NIFI-655: - Removing unnecessary class. NIFI-655: - Fixing checkstyle issues. - Showing the progress spinner while submitting account justification. NIFI-655: - Removing deprecated authentication strategy. - Renaming TLS to START_TLS. - Allowing the protocol to be configured. NIFI-655: - Fixing issue detecting the presence of DN column NIFI-655: - Pre-populating the login-identity-providers.xml file with necessary properties and documentation. - Renaming the Authentication Duration property name. NIFI-655: - Updating documentation for the failure response codes. NIFI-655: - Ensuring the user identity is not too long. NIFI-655: - Updating default authentication expiration to 12 hours. NIFI-655: - Remaining on the login form when there is any unsuccessful login attempt. - Fixing checkstyle issues.

88. Commit aaf14c45c96077c0075af8f3442e392b717244c1 in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=aaf14c4>] NIFI-655: - Refactoring web security to use Spring Security Java Configuration. - Introducing security in Web UI in order to get JWT. NIFI-655: - Setting up the resources (js/css) for the login page. NIFI-655: - Adding support for configuring anonymous roles. - Addressing checkstyle violations. NIFI-655: - Moving to token api to web-api. - Creating an LoginProvider API for user/pass based authentication. - Creating a module for funneling access to the authorized users. NIFI-655: - Moving away from usage of DN to identity

throughout the application (from the user db to the authorization provider). - Updating the authorized users schema to support login users. - Creating an extension point for authentication of users based on username/password. NIFI-655: - Creating an endpoint for returning the identity of the current user. - Updating the LoginAuthenticationFilter. NIFI-655: - Moving NiFi registration to the login page. - Running the authentication filters in a different order to ensure we can disambiguate each case. - Starting to layout each case... Forbidden, Login, Create User, Create NiFi Account. NIFI-655: - Addressing checkstyle issues. NIFI-655: - Making nf-storage available in the login page. - Requiring use of local storage. - Ignoring security for GET requests when obtaining the login configuration. NIFI-655: - Adding a new endpoint to obtain the status of a user registration. - Updated the login page loading to ensure all possible states work. NIFI-655: - Ensuring we know the necessary state before we attempt to render the login page. - Building the proxy chain in the JWT authentication filter. - Only rendering the login when appropriate. NIFI-655: - Starting to style the login page. - Added simple 'login' support by identifying username/password. Issuing JWT token coming... - Added logout support - Rendering the username when appropriate. NIFI-655: - Extracting certificate validation into a utility class. - Fixing checkstyle issues. - Cleaning up the web security context. - Removing proxy chain checking where possible. NIFI-655: - Starting to add support for registration. - Creating registration form. NIFI-655: - Starting to implement the JWT service. - Parsing JWT on client side in order to render who the user currently is when logged in. NIFI-655: - Allowing the user to link back to the log in page from the new account page. - Renaming DN to identity where possible. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding more/better support for logging out. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding a few new exceptions for the login identity provider. NIFI-655: - Disabling log in by default initially. - Restoring authorization service unit test. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Updating packages for log in filters. - Handling new registration exceptions. - Code clean up. NIFI-655: - Removing registration support. - Removing file based implementation. NIFI-655: - Removing file based implementation. NIFI-655: - Removing unused spring configuration files. NIFI-655: - Making the auto wiring more explicit. NIFI-655: - Removing unused dependencies. NIFI-655: - Removing unused filter. NIFI-655: - Updating the login API authenticate method to use a richer set of exceptions. - UI code clean. NIFI-655: - Ensuring the login identity provider is able to switch context classloaders via the standard NAR mechanisms. NIFI-655: - Initial commit of the LDAP based identity providers. - Fixed issue when attempting to log into a NiFi that does not support new account requests. NIFI-655: - Allowing the ldap provider to specify if client authentication is required/desired. NIFI-655: - Persisting keys to sign user tokens. - Allowing the identity provider to specify the token expiration. - Code clean up. NIFI-655: - Ensuring identities are unique in the key table. NIFI-655: - Adding support for specifying the user search base and user search filter in the active directory provider. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding automatic client side token renewal. NIFI-655: - Ensuring the logout link is rendered when appropriate. NIFI-655: - Adding configuration options for referrals and connect/read timeouts NIFI-655: - Added an endpoint for access details including configuration, creating tokens, and checking status. - Updated DTOs and client side to utilize new endpoints. NIFI-655: - Refactoring certificate extraction and validation. - Refactoring how expiration is specified in the login identity providers. - Adding unit tests for the access endpoints. - Code clean up. NIFI-655: - Keeping token expiration between 1 minute and 12 hours. NIFI-655: - Using the user identity provided by the login identity provider. NIFI-655: - Fixed typo in error message for unrecognized authentication strategy. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added logback-test.xml configuration resource for nifi-web-security. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added issuer field to LoginAuthenticationToken. - Updated AccessResource to pass identity provider class name when creating LoginAuthenticationTokens. - Began refactoring JWT logic from request parsing logic in JwtService. - Added unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Changed issuer field to use FQ class name because some classes return an empty string for getSimpleName(). - Finished refactoring JWT logic from request parsing logic in JwtService. - Updated AccessResource and JwtAuthenticationFilter to call new JwtService methods decoupled from request header parsing. - Added extensive unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Refactoring key service to expose the key id. - Handling client side expiration better. - Removing specialized active directory provider and abstract ldap provider. NIFI-655. - Updated JwtService and JwtServiceTest to use Key POJO instead of raw String key from KeyService. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Fixing typo when loading the ldap connect timeout. - Providing a better experience for session expiration. - Using ellipsis for lengthy user name. - Adding an issuer to the authentication response so the LIP can specify the appropriate value. NIFI-655: - Showing a logging in notification during the log in process. NIFI-655: - Removing unnecessary class. NIFI-655: - Fixing checkstyle issues. - Showing the progress spinner while submitting account justification. NIFI-655: - Removing deprecated authentication strategy.

- Renaming TLS to START_TLS. - Allowing the protocol to be configured. NIFI-655: - Fixing issue detecting the presence of DN column NIFI-655: - Pre-populating the login-identity-providers.xml file with necessary properties and documentation. - Renaming the Authentication Duration property name. NIFI-655: - Updating documentation for the failure response codes. NIFI-655: - Ensuring the user identity is not too long. NIFI-655: - Updating default authentication expiration to 12 hours. NIFI-655: - Remaining on the login form when there is any unsuccessful login attempt. - Fixing checkstyle issues.

89. Commit aaf14c45c96077c0075af8f3442e392b717244c1 in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=aaf14c4>] NIFI-655: - Refactoring web security to use Spring Security Java Configuration. - Introducing security in Web UI in order to get JWT. NIFI-655: - Setting up the resources (js/css) for the login page. NIFI-655: - Adding support for configuring anonymous roles. - Addressing checkstyle violations. NIFI-655: - Moving to token api to web-api. - Creating an LoginProvider API for user/pass based authentication. - Creating a module for funneling access to the authorized users. NIFI-655: - Moving away from usage of DN to identity throughout the application (from the user db to the authorization provider). - Updating the authorized users schema to support login users. - Creating an extension point for authentication of users based on username/password. NIFI-655: - Creating an endpoint for returning the identity of the current user. - Updating the LoginAuthenticationFilter. NIFI-655: - Moving NiFi registration to the login page. - Running the authentication filters in a different order to ensure we can disambiguate each case. - Starting to layout each case... Forbidden, Login, Create User, Create NiFi Account. NIFI-655: - Addressing checkstyle issues. NIFI-655: - Making nf-storage available in the login page. - Requiring use of local storage. - Ignoring security for GET requests when obtaining the login configuration. NIFI-655: - Adding a new endpoint to obtain the status of a user registration. - Updated the login page loading to ensure all possible states work. NIFI-655: - Ensuring we know the necessary state before we attempt to render the login page. - Building the proxy chain in the JWT authentication filter. - Only rendering the login when appropriate. NIFI-655: - Starting to style the login page. - Added simple 'login' support by identifying username/password. Issuing JWT token coming... - Added logout support - Rendering the username when appropriate. NIFI-655: - Extracting certificate validation into a utility class. - Fixing checkstyle issues. - Cleaning up the web security context. - Removing proxy chain checking where possible. NIFI-655: - Starting to add support for registration. - Creating registration form. NIFI-655: - Starting to implement the JWT service. - Parsing JWT on client side in order to render who the user currently is when logged in. NIFI-655: - Allowing the user to link back to the log in page from the new account page. - Renaming DN to identity where possible. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding more/better support for logging out. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding a few new exceptions for the login identity provider. NIFI-655: - Disabling log in by default initially. - Restoring authorization service unit test. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Updating packages for log in filters. - Handling new registration exceptions. - Code clean up. NIFI-655: - Removing registration support. - Removing file based implementation. NIFI-655: - Removing file based implementation. NIFI-655: - Removing unused spring configuration files. NIFI-655: - Making the auto wiring more explicit. NIFI-655: - Removing unused dependencies. NIFI-655: - Removing unused filter. NIFI-655: - Updating the login API authenticate method to use a richer set of exceptions. - UI code clean. NIFI-655: - Ensuring the login identity provider is able to switch context classloaders via the standard NAR mechanisms. NIFI-655: - Initial commit of the LDAP based identity providers. - Fixed issue when attempting to log into a NiFi that does not support new account requests. NIFI-655: - Allowing the ldap provider to specify if client authentication is required/desired. NIFI-655: - Persisting keys to sign user tokens. - Allowing the identity provider to specify the token expiration. - Code clean up. NIFI-655: - Ensuring identities are unique in the key table. NIFI-655: - Adding support for specifying the user search base and user search filter in the active directory provider. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding automatic client side token renewal. NIFI-655: - Ensuring the logout link is rendered when appropriate. NIFI-655: - Adding configuration options for referrals and connect/read timeouts NIFI-655: - Added an endpoint for access details including configuration, creating tokens, and checking status. - Updated DTOs and client side to utilize new endpoints. NIFI-655: - Refactoring certificate extraction and validation. - Refactoring how expiration is specified in the login identity providers. - Adding unit tests for the access endpoints. - Code clean up. NIFI-655: - Keeping token expiration between 1 minute and 12 hours. NIFI-655: - Using the user identity provided by the login identity provider. NIFI-655: - Fixed typo in error message for unrecognized authentication strategy. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added logback-test.xml configuration resource for nifi-web-security. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added issuer field to LoginAuthenticationToken. - Updated AccessResource to pass identity provider class name when creating LoginAuthenticationTokens. - Began refactoring JWT logic from request parsing logic in JwtService. - Added unit tests for JWT logic. Signed-

off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Changed issuer field to use FQ class name because some classes return an empty string for getSimpleName(). - Finished refactoring JWT logic from request parsing logic in JwtService. - Updated AccessResource and JwtAuthenticationFilter to call new JwtService methods decoupled from request header parsing. - Added extensive unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Refactoring key service to expose the key id. - Handling client side expiration better. - Removing specialized active directory provider and abstract ldap provider. NIFI-655. - Updated JwtService and JwtServiceTest to use Key POJO instead of raw String key from KeyService. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Fixing typo when loading the ldap connect timeout. - Providing a better experience for session expiration. - Using ellipsis for lengthy user name. - Adding an issuer to the authentication response so the LIP can specify the appropriate value. NIFI-655: - Showing a logging in notification during the log in process. NIFI-655: - Removing unnecessary class. NIFI-655: - Fixing checkstyle issues. - Showing the progress spinner while submitting account justification. NIFI-655: - Removing deprecated authentication strategy. - Renaming TLS to START_TLS. - Allowing the protocol to be configured. NIFI-655: - Fixing issue detecting the presence of DN column NIFI-655: - Pre-populating the login-identity-providers.xml file with necessary properties and documentation. - Renaming the Authentication Duration property name. NIFI-655: - Updating documentation for the failure response codes. NIFI-655: - Ensuring the user identity is not too long. NIFI-655: - Updating default authentication expiration to 12 hours. NIFI-655: - Remaining on the login form when there is any unsuccessful login attempt. - Fixing checkstyle issues.

90. Commit aaf14c45c96077c0075af8f3442e392b717244c1 in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=aaf14c4>] NIFI-655: - Refactoring web security to use Spring Security Java Configuration. - Introducing security in Web UI in order to get JWT. NIFI-655: - Setting up the resources (js/css) for the login page. NIFI-655: - Adding support for configuring anonymous roles. - Addressing checkstyle violations. NIFI-655: - Moving to token api to web-api. - Creating an LoginProvider API for user/pass based authentication. - Creating a module for funneling access to the authorized users. NIFI-655: - Moving away from usage of DN to identity throughout the application (from the user db to the authorization provider). - Updating the authorized users schema to support login users. - Creating an extension point for authentication of users based on username/password. NIFI-655: - Creating an endpoint for returning the identity of the current user. - Updating the LoginAuthenticationFilter. NIFI-655: - Moving NiFi registration to the login page. - Running the authentication filters in a different order to ensure we can disambiguate each case. - Starting to layout each case... Forbidden, Login, Create User, Create NiFi Account. NIFI-655: - Addressing checkstyle issues. NIFI-655: - Making nf-storage available in the login page. - Requiring use of local storage. - Ignoring security for GET requests when obtaining the login configuration. NIFI-655: - Adding a new endpoint to obtain the status of a user registration. - Updated the login page loading to ensure all possible states work. NIFI-655: - Ensuring we know the necessary state before we attempt to render the login page. - Building the proxy chain in the JWT authentication filter. - Only rendering the login when appropriate. NIFI-655: - Starting to style the login page. - Added simple 'login' support by identifying username/password. Issuing JWT token coming... - Added logout support - Rendering the username when appropriate. NIFI-655: - Extracting certificate validation into a utility class. - Fixing checkstyle issues. - Cleaning up the web security context. - Removing proxy chain checking where possible. NIFI-655: - Starting to add support for registration. - Creating registration form. NIFI-655: - Starting to implement the JWT service. - Parsing JWT on client side in order to render who the user currently is when logged in. NIFI-655: - Allowing the user to link back to the log in page from the new account page. - Renaming DN to identity where possible. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding more/better support for logging out. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding a few new exceptions for the login identity provider. NIFI-655: - Disabling log in by default initially. - Restoring authorization service unit test. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Updating packages for log in filters. - Handling new registration exceptions. - Code clean up. NIFI-655: - Removing registration support. - Removing file based implementation. NIFI-655: - Removing file based implementation. NIFI-655: - Removing unused spring configuration files. NIFI-655: - Making the auto wiring more explicit. NIFI-655: - Removing unused dependencies. NIFI-655: - Removing unused filter. NIFI-655: - Updating the login API authenticate method to use a richer set of exceptions. - UI code clean. NIFI-655: - Ensuring the login identity provider is able to switch context classloaders via the standard NAR mechanisms. NIFI-655: - Initial commit of the LDAP based identity providers. - Fixed issue when attempting to log into a NiFi that does not support new account requests. NIFI-655: - Allowing the ldap provider to specify if client authentication is required/desired. NIFI-655: - Persisting keys to sign user tokens. - Allowing the identity provider to specify the token expiration. - Code clean up. NIFI-655: - Ensuring identities are unique in the key table. NIFI-655: - Adding support for specifying the user search base and user search

filter in the active directory provider. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding automatic client side token renewal. NIFI-655: - Ensuring the logout link is rendered when appropriate. NIFI-655: - Adding configuration options for referrals and connect/read timeouts NIFI-655: - Added an endpoint for access details including configuration, creating tokens, and checking status. - Updated DTOs and client side to utilize new endpoints. NIFI-655: - Refactoring certificate extraction and validation. - Refactoring how expiration is specified in the login identity providers. - Adding unit tests for the access endpoints. - Code clean up. NIFI-655: - Keeping token expiration between 1 minute and 12 hours. NIFI-655: - Using the user identity provided by the login identity provider. NIFI-655: - Fixed typo in error message for unrecognized authentication strategy. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added logback-test.xml configuration resource for nifi-web-security. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added issuer field to LoginAuthenticationToken. - Updated AccessResource to pass identity provider class name when creating LoginAuthenticationTokens. - Began refactoring JWT logic from request parsing logic in JwtService. - Added unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Changed issuer field to use FQ class name because some classes return an empty string for getSimpleName(). - Finished refactoring JWT logic from request parsing logic in JwtService. - Updated AccessResource and JwtAuthenticationFilter to call new JwtService methods decoupled from request header parsing. - Added extensive unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Refactoring key service to expose the key id. - Handling client side expiration better. - Removing specialized active directory provider and abstract ldap provider. NIFI-655. - Updated JwtService and JwtServiceTest to use Key POJO instead of raw String key from KeyService. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Fixing typo when loading the ldap connect timeout. - Providing a better experience for session expiration. - Using ellipsis for lengthy user name. - Adding an issuer to the authentication response so the LIP can specify the appropriate value. NIFI-655: - Showing a logging in notification during the log in process. NIFI-655: - Removing unnecessary class. NIFI-655: - Fixing checkstyle issues. - Showing the progress spinner while submitting account justification. NIFI-655: - Removing deprecated authentication strategy. - Renaming TLS to START_TLS. - Allowing the protocol to be configured. NIFI-655: - Fixing issue detecting the presence of DN column NIFI-655: - Pre-populating the login-identity-providers.xml file with necessary properties and documentation. - Renaming the Authentication Duration property name. NIFI-655: - Updating documentation for the failure response codes. NIFI-655: - Ensuring the user identity is not too long. NIFI-655: - Updating default authentication expiration to 12 hours. NIFI-655: - Remaining on the login form when there is any unsuccessful login attempt. - Fixing checkstyle issues.

91. Commit aaf14c45c96077c0075af8f3442e392b717244c1 in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=aaf14c4>] NIFI-655: - Refactoring web security to use Spring Security Java Configuration. - Introducing security in Web UI in order to get JWT. NIFI-655: - Setting up the resources (js/css) for the login page. NIFI-655: - Adding support for configuring anonymous roles. - Addressing checkstyle violations. NIFI-655: - Moving to token api to web-api. - Creating an LoginProvider API for user/pass based authentication. - Creating a module for funneling access to the authorized users. NIFI-655: - Moving away from usage of DN to identity throughout the application (from the user db to the authorization provider). - Updating the authorized users schema to support login users. - Creating an extension point for authentication of users based on username/password. NIFI-655: - Creating an endpoint for returning the identity of the current user. - Updating the LoginAuthenticationFilter. NIFI-655: - Moving NiFi registration to the login page. - Running the authentication filters in a different order to ensure we can disambiguate each case. - Starting to layout each case... Forbidden, Login, Create User, Create NiFi Account. NIFI-655: - Addressing checkstyle issues. NIFI-655: - Making nf-storage available in the login page. - Requiring use of local storage. - Ignoring security for GET requests when obtaining the login configuration. NIFI-655: - Adding a new endpoint to obtain the status of a user registration. - Updated the login page loading to ensure all possible states work. NIFI-655: - Ensuring we know the necessary state before we attempt to render the login page. - Building the proxy chain in the JWT authentication filter. - Only rendering the login when appropriate. NIFI-655: - Starting to style the login page. - Added simple 'login' support by identifying username/password. Issuing JWT token coming... - Added logout support - Rendering the username when appropriate. NIFI-655: - Extracting certificate validation into a utility class. - Fixing checkstyle issues. - Cleaning up the web security context. - Removing proxy chain checking where possible. NIFI-655: - Starting to add support for registration. - Creating registration form. NIFI-655: - Starting to implement the JWT service. - Parsing JWT on client side in order to render who the user currently is when logged in. NIFI-655: - Allowing the user to link back to the log in page from the new account page. - Renaming DN to identity where possible. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding more/better support for logging out. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding a few new exceptions for the

login identity provider. NIFI-655: - Disabling log in by default initially. - Restoring authorization service unit test. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Updating packages for log in filters. - Handling new registration exceptions. - Code clean up. NIFI-655: - Removing registration support. - Removing file based implementation. NIFI-655: - Removing file based implementation. NIFI-655: - Removing unused spring configuration files. NIFI-655: - Making the auto wiring more explicit. NIFI-655: - Removing unused dependencies. NIFI-655: - Removing unused filter. NIFI-655: - Updating the login API authenticate method to use a richer set of exceptions. - UI code clean. NIFI-655: - Ensuring the login identity provider is able to switch context classloaders via the standard NAR mechanisms. NIFI-655: - Initial commit of the LDAP based identity providers. - Fixed issue when attempting to log into a NiFi that does not support new account requests. NIFI-655: - Allowing the ldap provider to specify if client authentication is required/desired. NIFI-655: - Persisting keys to sign user tokens. - Allowing the identity provider to specify the token expiration. - Code clean up. NIFI-655: - Ensuring identities are unique in the key table. NIFI-655: - Adding support for specifying the user search base and user search filter in the active directory provider. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding automatic client side token renewal. NIFI-655: - Ensuring the logout link is rendered when appropriate. NIFI-655: - Adding configuration options for referrals and connect/read timeouts NIFI-655: - Added an endpoint for access details including configuration, creating tokens, and checking status. - Updated DTOs and client side to utilize new endpoints. NIFI-655: - Refactoring certificate extraction and validation. - Refactoring how expiration is specified in the login identity providers. - Adding unit tests for the access endpoints. - Code clean up. NIFI-655: - Keeping token expiration between 1 minute and 12 hours. NIFI-655: - Using the user identity provided by the login identity provider. NIFI-655: - Fixed typo in error message for unrecognized authentication strategy. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added logback-test.xml configuration resource for nifi-web-security. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added issuer field to LoginAuthenticationToken. - Updated AccessResource to pass identity provider class name when creating LoginAuthenticationTokens. - Began refactoring JWT logic from request parsing logic in JwtService. - Added unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Changed issuer field to use FQ class name because some classes return an empty string for getSimpleName(). - Finished refactoring JWT logic from request parsing logic in JwtService. - Updated AccessResource and JwtAuthenticationFilter to call new JwtService methods decoupled from request header parsing. - Added extensive unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Refactoring key service to expose the key id. - Handling client side expiration better. - Removing specialized active directory provider and abstract ldap provider. NIFI-655. - Updated JwtService and JwtServiceTest to use Key POJO instead of raw String key from KeyService. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Fixing typo when loading the ldap connect timeout. - Providing a better experience for session expiration. - Using ellipsis for lengthy user name. - Adding an issuer to the authentication response so the LIP can specify the appropriate value. NIFI-655: - Showing a logging in notification during the log in process. NIFI-655: - Removing unnecessary class. NIFI-655: - Fixing checkstyle issues. - Showing the progress spinner while submitting account justification. NIFI-655: - Removing deprecated authentication strategy. - Renaming TLS to START_TLS. - Allowing the protocol to be configured. NIFI-655: - Fixing issue detecting the presence of DN column NIFI-655: - Pre-populating the login-identity-providers.xml file with necessary properties and documentation. - Renaming the Authentication Duration property name. NIFI-655: - Updating documentation for the failure response codes. NIFI-655: - Ensuring the user identity is not too long. NIFI-655: - Updating default authentication expiration to 12 hours. NIFI-655: - Remaining on the login form when there is any unsuccessful login attempt. - Fixing checkstyle issues.

92. Commit aaf14c45c96077c0075af8f3442e392b717244c1 in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=aaf14c4>] NIFI-655: - Refactoring web security to use Spring Security Java Configuration. - Introducing security in Web UI in order to get JWT. NIFI-655: - Setting up the resources (js/css) for the login page. NIFI-655: - Adding support for configuring anonymous roles. - Addressing checkstyle violations. NIFI-655: - Moving to token api to web-api. - Creating an LoginProvider API for user/pass based authentication. - Creating a module for funneling access to the authorized users. NIFI-655: - Moving away from usage of DN to identity throughout the application (from the user db to the authorization provider). - Updating the authorized users schema to support login users. - Creating an extension point for authentication of users based on username/password. NIFI-655: - Creating an endpoint for returning the identity of the current user. - Updating the LoginAuthenticationFilter. NIFI-655: - Moving NiFi registration to the login page. - Running the authentication filters in a different order to ensure we can disambiguate each case. - Starting to layout each case... Forbidden, Login, Create User, Create NiFi Account. NIFI-655: - Addressing checkstyle issues. NIFI-655: - Making nf-storage available in the login page. - Requiring use of local

storage. - Ignoring security for GET requests when obtaining the login configuration. NIFI-655: - Adding a new endpoint to obtain the status of a user registration. - Updated the login page loading to ensure all possible states work. NIFI-655: - Ensuring we know the necessary state before we attempt to render the login page. - Building the proxy chain in the JWT authentication filter. - Only rendering the login when appropriate. NIFI-655: - Starting to style the login page. - Added simple 'login' support by identifying username/password. Issuing JWT token coming... - Added logout support - Rendering the username when appropriate. NIFI-655: - Extracting certificate validation into a utility class. - Fixing checkstyle issues. - Cleaning up the web security context. - Removing proxy chain checking where possible. NIFI-655: - Starting to add support for registration. - Creating registration form. NIFI-655: - Starting to implement the JWT service. - Parsing JWT on client side in order to render who the user currently is when logged in. NIFI-655: - Allowing the user to link back to the log in page from the new account page. - Renaming DN to identity where possible. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding more/better support for logging out. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding a few new exceptions for the login identity provider. NIFI-655: - Disabling log in by default initially. - Restoring authorization service unit test. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Updating packages for log in filters. - Handling new registration exceptions. - Code clean up. NIFI-655: - Removing registration support. - Removing file based implementation. NIFI-655: - Removing file based implementation. NIFI-655: - Removing unused spring configuration files. NIFI-655: - Making the auto wiring more explicit. NIFI-655: - Removing unused dependencies. NIFI-655: - Removing unused filter. NIFI-655: - Updating the login API authenticate method to use a richer set of exceptions. - UI code clean. NIFI-655: - Ensuring the login identity provider is able to switch context classloaders via the standard NAR mechanisms. NIFI-655: - Initial commit of the LDAP based identity providers. - Fixed issue when attempting to log into a NiFi that does not support new account requests. NIFI-655: - Allowing the ldap provider to specify if client authentication is required/desired. NIFI-655: - Persisting keys to sign user tokens. - Allowing the identity provider to specify the token expiration. - Code clean up. NIFI-655: - Ensuring identities are unique in the key table. NIFI-655: - Adding support for specifying the user search base and user search filter in the active directory provider. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding automatic client side token renewal. NIFI-655: - Ensuring the logout link is rendered when appropriate. NIFI-655: - Adding configuration options for referrals and connect/read timeouts NIFI-655: - Added an endpoint for access details including configuration, creating tokens, and checking status. - Updated DTOs and client side to utilize new endpoints. NIFI-655: - Refactoring certificate extraction and validation. - Refactoring how expiration is specified in the login identity providers. - Adding unit tests for the access endpoints. - Code clean up. NIFI-655: - Keeping token expiration between 1 minute and 12 hours. NIFI-655: - Using the user identity provided by the login identity provider. NIFI-655: - Fixed typo in error message for unrecognized authentication strategy. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added logback-test.xml configuration resource for nifi-web-security. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added issuer field to LoginAuthenticationToken. - Updated AccessResource to pass identity provider class name when creating LoginAuthenticationTokens. - Began refactoring JWT logic from request parsing logic in JwtService. - Added unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Changed issuer field to use FQ class name because some classes return an empty string for getSimpleName(). - Finished refactoring JWT logic from request parsing logic in JwtService. - Updated AccessResource and JwtAuthenticationFilter to call new JwtService methods decoupled from request header parsing. - Added extensive unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Refactoring key service to expose the key id. - Handling client side expiration better. - Removing specialized active directory provider and abstract ldap provider. NIFI-655. - Updated JwtService and JwtServiceTest to use Key POJO instead of raw String key from KeyService. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Fixing typo when loading the ldap connect timeout. - Providing a better experience for session expiration. - Using ellipsis for lengthy user name. - Adding an issuer to the authentication response so the LIP can specify the appropriate value. NIFI-655: - Showing a logging in notification during the log in process. NIFI-655: - Removing unnecessary class. NIFI-655: - Fixing checkstyle issues. - Showing the progress spinner while submitting account justification. NIFI-655: - Removing deprecated authentication strategy. - Renaming TLS to START_TLS. - Allowing the protocol to be configured. NIFI-655: - Fixing issue detecting the presence of DN column NIFI-655: - Pre-populating the login-identity-providers.xml file with necessary properties and documentation. - Renaming the Authentication Duration property name. NIFI-655: - Updating documentation for the failure response codes. NIFI-655: - Ensuring the user identity is not too long. NIFI-655: - Updating default authentication expiration to 12 hours. NIFI-655: - Remaining on the login form when there is any unsuccessful login attempt. - Fixing checkstyle issues.

93. Commit aaf14c45c96077c0075af8f3442e392b717244c1 in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=aaf14c4>] NIFI-655: - Refactoring web security to use Spring Security Java Configuration. - Introducing security in Web UI in order to get JWT. NIFI-655: - Setting up the resources (js/css) for the login page. NIFI-655: - Adding support for configuring anonymous roles. - Addressing checkstyle violations. NIFI-655: - Moving to token api to web-api. - Creating an LoginProvider API for user/pass based authentication. - Creating a module for funneling access to the authorized users. NIFI-655: - Moving away from usage of DN to identity throughout the application (from the user db to the authorization provider). - Updating the authorized users schema to support login users. - Creating an extension point for authentication of users based on username/password. NIFI-655: - Creating an endpoint for returning the identity of the current user. - Updating the LoginAuthenticationFilter. NIFI-655: - Moving NiFi registration to the login page. - Running the authentication filters in a different order to ensure we can disambiguate each case. - Starting to layout each case... Forbidden, Login, Create User, Create NiFi Account. NIFI-655: - Addressing checkstyle issues. NIFI-655: - Making nf-storage available in the login page. - Requiring use of local storage. - Ignoring security for GET requests when obtaining the login configuration. NIFI-655: - Adding a new endpoint to obtain the status of a user registration. - Updated the login page loading to ensure all possible states work. NIFI-655: - Ensuring we know the necessary state before we attempt to render the login page. - Building the proxy chain in the JWT authentication filter. - Only rendering the login when appropriate. NIFI-655: - Starting to style the login page. - Added simple 'login' support by identifying username/password. Issuing JWT token coming... - Added logout support - Rendering the username when appropriate. NIFI-655: - Extracting certificate validation into a utility class. - Fixing checkstyle issues. - Cleaning up the web security context. - Removing proxy chain checking where possible. NIFI-655: - Starting to add support for registration. - Creating registration form. NIFI-655: - Starting to implement the JWT service. - Parsing JWT on client side in order to render who the user currently is when logged in. NIFI-655: - Allowing the user to link back to the log in page from the new account page. - Renaming DN to identity where possible. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding more/better support for logging out. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding a few new exceptions for the login identity provider. NIFI-655: - Disabling log in by default initially. - Restoring authorization service unit test. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Updating packages for log in filters. - Handling new registration exceptions. - Code clean up. NIFI-655: - Removing registration support. - Removing file based implementation. NIFI-655: - Removing file based implementation. NIFI-655: - Removing unused spring configuration files. NIFI-655: - Making the auto wiring more explicit. NIFI-655: - Removing unused dependencies. NIFI-655: - Removing unused filter. NIFI-655: - Updating the login API authenticate method to use a richer set of exceptions. - UI code clean. NIFI-655: - Ensuring the login identity provider is able to switch context classloaders via the standard NAR mechanisms. NIFI-655: - Initial commit of the LDAP based identity providers. - Fixed issue when attempting to log into a NiFi that does not support new account requests. NIFI-655: - Allowing the ldap provider to specify if client authentication is required/desired. NIFI-655: - Persisting keys to sign user tokens. - Allowing the identity provider to specify the token expiration. - Code clean up. NIFI-655: - Ensuring identities are unique in the key table. NIFI-655: - Adding support for specifying the user search base and user search filter in the active directory provider. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding automatic client side token renewal. NIFI-655: - Ensuring the logout link is rendered when appropriate. NIFI-655: - Adding configuration options for referrals and connect/read timeouts NIFI-655: - Added an endpoint for access details including configuration, creating tokens, and checking status. - Updated DTOs and client side to utilize new endpoints. NIFI-655: - Refactoring certificate extraction and validation. - Refactoring how expiration is specified in the login identity providers. - Adding unit tests for the access endpoints. - Code clean up. NIFI-655: - Keeping token expiration between 1 minute and 12 hours. NIFI-655: - Using the user identity provided by the login identity provider. NIFI-655: - Fixed typo in error message for unrecognized authentication strategy. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added logback-test.xml configuration resource for nifi-web-security. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added issuer field to LoginAuthenticationToken. - Updated AccessResource to pass identity provider class name when creating LoginAuthenticationTokens. - Began refactoring JWT logic from request parsing logic in JwtService. - Added unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Changed issuer field to use FQ class name because some classes return an empty string for getSimpleName(). - Finished refactoring JWT logic from request parsing logic in JwtService. - Updated AccessResource and JwtAuthenticationFilter to call new JwtService methods decoupled from request header parsing. - Added extensive unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Refactoring key service to expose the key id. - Handling client side expiration better. - Removing specialized active directory provider and

abstract ldap provider. NIFI-655: - Updated JwtService and JwtServiceTest to use Key POJO instead of raw String key from KeyService. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Fixing typo when loading the ldap connect timeout. - Providing a better experience for session expiration. - Using ellipsis for lengthy user name. - Adding an issuer to the authentication response so the LIP can specify the appropriate value. NIFI-655: - Showing a logging in notification during the log in process. NIFI-655: - Removing unnecessary class. NIFI-655: - Fixing checkstyle issues. - Showing the progress spinner while submitting account justification. NIFI-655: - Removing deprecated authentication strategy. - Renaming TLS to START_TLS. - Allowing the protocol to be configured. NIFI-655: - Fixing issue detecting the presence of DN column NIFI-655: - Pre-populating the login-identity-providers.xml file with necessary properties and documentation. - Renaming the Authentication Duration property name. NIFI-655: - Updating documentation for the failure response codes. NIFI-655: - Ensuring the user identity is not too long. NIFI-655: - Updating default authentication expiration to 12 hours. NIFI-655: - Remaining on the login form when there is any unsuccessful login attempt. - Fixing checkstyle issues.

94. Commit aaf14c45c96077c0075af8f3442e392b717244c1 in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=aaf14c4>] NIFI-655: - Refactoring web security to use Spring Security Java Configuration. - Introducing security in Web UI in order to get JWT. NIFI-655: - Setting up the resources (js/css) for the login page. NIFI-655: - Adding support for configuring anonymous roles. - Addressing checkstyle violations. NIFI-655: - Moving to token api to web-api. - Creating an LoginProvider API for user/pass based authentication. - Creating a module for funneling access to the authorized users. NIFI-655: - Moving away from usage of DN to identity throughout the application (from the user db to the authorization provider). - Updating the authorized users schema to support login users. - Creating an extension point for authentication of users based on username/password. NIFI-655: - Creating an endpoint for returning the identity of the current user. - Updating the LoginAuthenticationFilter. NIFI-655: - Moving NiFi registration to the login page. - Running the authentication filters in a different order to ensure we can disambiguate each case. - Starting to layout each case... Forbidden, Login, Create User, Create NiFi Account. NIFI-655: - Addressing checkstyle issues. NIFI-655: - Making nf-storage available in the login page. - Requiring use of local storage. - Ignoring security for GET requests when obtaining the login configuration. NIFI-655: - Adding a new endpoint to obtain the status of a user registration. - Updated the login page loading to ensure all possible states work. NIFI-655: - Ensuring we know the necessary state before we attempt to render the login page. - Building the proxy chain in the JWT authentication filter. - Only rendering the login when appropriate. NIFI-655: - Starting to style the login page. - Added simple 'login' support by identifying username/password. Issuing JWT token coming... - Added logout support - Rendering the username when appropriate. NIFI-655: - Extracting certificate validation into a utility class. - Fixing checkstyle issues. - Cleaning up the web security context. - Removing proxy chain checking where possible. NIFI-655: - Starting to add support for registration. - Creating registration form. NIFI-655: - Starting to implement the JWT service. - Parsing JWT on client side in order to render who the user currently is when logged in. NIFI-655: - Allowing the user to link back to the log in page from the new account page. - Renaming DN to identity where possible. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding more/better support for logging out. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding a few new exceptions for the login identity provider. NIFI-655: - Disabling log in by default initially. - Restoring authorization service unit test. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Updating packages for log in filters. - Handling new registration exceptions. - Code clean up. NIFI-655: - Removing registration support. - Removing file based implementation. NIFI-655: - Removing file based implementation. NIFI-655: - Removing unused spring configuration files. NIFI-655: - Making the auto wiring more explicit. NIFI-655: - Removing unused dependencies. NIFI-655: - Removing unused filter. NIFI-655: - Updating the login API authenticate method to use a richer set of exceptions. - UI code clean. NIFI-655: - Ensuring the login identity provider is able to switch context classloaders via the standard NAR mechanisms. NIFI-655: - Initial commit of the LDAP based identity providers. - Fixed issue when attempting to log into a NiFi that does not support new account requests. NIFI-655: - Allowing the ldap provider to specify if client authentication is required/desired. NIFI-655: - Persisting keys to sign user tokens. - Allowing the identity provider to specify the token expiration. - Code clean up. NIFI-655: - Ensuring identities are unique in the key table. NIFI-655: - Adding support for specifying the user search base and user search filter in the active directory provider. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding automatic client side token renewal. NIFI-655: - Ensuring the logout link is rendered when appropriate. NIFI-655: - Adding configuration options for referrals and connect/read timeouts NIFI-655: - Added an endpoint for access details including configuration, creating tokens, and checking status. - Updated DTOs and client side to utilize new endpoints. NIFI-655: - Refactoring certificate extraction and validation. - Refactoring how expiration is specified in the login identity providers. - Adding unit tests for the access endpoints. -

Code clean up. NIFI-655: - Keeping token expiration between 1 minute and 12 hours. NIFI-655: - Using the user identity provided by the login identity provider. NIFI-655: - Fixed typo in error message for unrecognized authentication strategy. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added logback-test.xml configuration resource for nifi-web-security. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added issuer field to LoginAuthenticationToken. - Updated AccessResource to pass identity provider class name when creating LoginAuthenticationTokens. - Began refactoring JWT logic from request parsing logic in JwtService. - Added unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Changed issuer field to use FQ class name because some classes return an empty string for getSimpleName(). - Finished refactoring JWT logic from request parsing logic in JwtService. - Updated AccessResource and JwtAuthenticationFilter to call new JwtService methods decoupled from request header parsing. - Added extensive unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Refactoring key service to expose the key id. - Handling client side expiration better. - Removing specialized active directory provider and abstract ldap provider. NIFI-655. - Updated JwtService and JwtServiceTest to use Key POJO instead of raw String key from KeyService. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Fixing typo when loading the ldap connect timeout. - Providing a better experience for session expiration. - Using ellipsis for lengthy user name. - Adding an issuer to the authentication response so the LIP can specify the appropriate value. NIFI-655: - Showing a logging in notification during the log in process. NIFI-655: - Removing unnecessary class. NIFI-655: - Fixing checkstyle issues. - Showing the progress spinner while submitting account justification. NIFI-655: - Removing deprecated authentication strategy. - Renaming TLS to START_TLS. - Allowing the protocol to be configured. NIFI-655: - Fixing issue detecting the presence of DN column NIFI-655: - Pre-populating the login-identity-providers.xml file with necessary properties and documentation. - Renaming the Authentication Duration property name. NIFI-655: - Updating documentation for the failure response codes. NIFI-655: - Ensuring the user identity is not too long. NIFI-655: - Updating default authentication expiration to 12 hours. NIFI-655: - Remaining on the login form when there is any unsuccessful login attempt. - Fixing checkstyle issues.

95. Commit aaf14c45c96077c0075af8f3442e392b717244c1 in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=aaf14c4>] NIFI-655: - Refactoring web security to use Spring Security Java Configuration. - Introducing security in Web UI in order to get JWT. NIFI-655: - Setting up the resources (js/css) for the login page. NIFI-655: - Adding support for configuring anonymous roles. - Addressing checkstyle violations. NIFI-655: - Moving to token api to web-api. - Creating an LoginProvider API for user/pass based authentication. - Creating a module for funneling access to the authorized users. NIFI-655: - Moving away from usage of DN to identity throughout the application (from the user db to the authorization provider). - Updating the authorized users schema to support login users. - Creating an extension point for authentication of users based on username/password. NIFI-655: - Creating an endpoint for returning the identity of the current user. - Updating the LoginAuthenticationFilter. NIFI-655: - Moving NiFi registration to the login page. - Running the authentication filters in a different order to ensure we can disambiguate each case. - Starting to layout each case... Forbidden, Login, Create User, Create NiFi Account. NIFI-655: - Addressing checkstyle issues. NIFI-655: - Making nf-storage available in the login page. - Requiring use of local storage. - Ignoring security for GET requests when obtaining the login configuration. NIFI-655: - Adding a new endpoint to obtain the status of a user registration. - Updated the login page loading to ensure all possible states work. NIFI-655: - Ensuring we know the necessary state before we attempt to render the login page. - Building the proxy chain in the JWT authentication filter. - Only rendering the login when appropriate. NIFI-655: - Starting to style the login page. - Added simple 'login' support by identifying username/password. Issuing JWT token coming... - Added logout support - Rendering the username when appropriate. NIFI-655: - Extracting certificate validation into a utility class. - Fixing checkstyle issues. - Cleaning up the web security context. - Removing proxy chain checking where possible. NIFI-655: - Starting to add support for registration. - Creating registration form. NIFI-655: - Starting to implement the JWT service. - Parsing JWT on client side in order to render who the user currently is when logged in. NIFI-655: - Allowing the user to link back to the log in page from the new account page. - Renaming DN to identity where possible. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding more/better support for logging out. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding a few new exceptions for the login identity provider. NIFI-655: - Disabling log in by default initially. - Restoring authorization service unit test. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Updating packages for log in filters. - Handling new registration exceptions. - Code clean up. NIFI-655: - Removing registration support. - Removing file based implementation. NIFI-655: - Removing file based implementation. NIFI-655: - Removing unused spring configuration files. NIFI-655: - Making the auto wiring more explicit. NIFI-655: - Removing unused dependencies. NIFI-655: - Removing unused filter. NIFI-655: - Updating the

login API authenticate method to use a richer set of exceptions. - UI code clean. NIFI-655: - Ensuring the login identity provider is able to switch context classloaders via the standard NAR mechanisms. NIFI-655: - Initial commit of the LDAP based identity providers. - Fixed issue when attempting to log into a NiFi that does not support new account requests. NIFI-655: - Allowing the ldap provider to specify if client authentication is required/desired. NIFI-655: - Persisting keys to sign user tokens. - Allowing the identity provider to specify the token expiration. - Code clean up. NIFI-655: - Ensuring identities are unique in the key table. NIFI-655: - Adding support for specifying the user search base and user search filter in the active directory provider. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding automatic client side token renewal. NIFI-655: - Ensuring the logout link is rendered when appropriate. NIFI-655: - Adding configuration options for referrals and connect/read timeouts NIFI-655: - Added an endpoint for access details including configuration, creating tokens, and checking status. - Updated DTOs and client side to utilize new endpoints. NIFI-655: - Refactoring certificate extraction and validation. - Refactoring how expiration is specified in the login identity providers. - Adding unit tests for the access endpoints. - Code clean up. NIFI-655: - Keeping token expiration between 1 minute and 12 hours. NIFI-655: - Using the user identity provided by the login identity provider. NIFI-655: - Fixed typo in error message for unrecognized authentication strategy. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added logback-test.xml configuration resource for nifi-web-security. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added issuer field to LoginAuthenticationToken. - Updated AccessResource to pass identity provider class name when creating LoginAuthenticationTokens. - Began refactoring JWT logic from request parsing logic in JwtService. - Added unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Changed issuer field to use FQ class name because some classes return an empty string for getSimpleName(). - Finished refactoring JWT logic from request parsing logic in JwtService. - Updated AccessResource and JwtAuthenticationFilter to call new JwtService methods decoupled from request header parsing. - Added extensive unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Refactoring key service to expose the key id. - Handling client side expiration better. - Removing specialized active directory provider and abstract ldap provider. NIFI-655. - Updated JwtService and JwtServiceTest to use Key POJO instead of raw String key from KeyService. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Fixing typo when loading the ldap connect timeout. - Providing a better experience for session expiration. - Using ellipsis for lengthy user name. - Adding an issuer to the authentication response so the LIP can specify the appropriate value. NIFI-655: - Showing a logging in notification during the log in process. NIFI-655: - Removing unnecessary class. NIFI-655: - Fixing checkstyle issues. - Showing the progress spinner while submitting account justification. NIFI-655: - Removing deprecated authentication strategy. - Renaming TLS to START_TLS. - Allowing the protocol to be configured. NIFI-655: - Fixing issue detecting the presence of DN column NIFI-655: - Pre-populating the login-identity-providers.xml file with necessary properties and documentation. - Renaming the Authentication Duration property name. NIFI-655: - Updating documentation for the failure response codes. NIFI-655: - Ensuring the user identity is not too long. NIFI-655: - Updating default authentication expiration to 12 hours. NIFI-655: - Remaining on the login form when there is any unsuccessful login attempt. - Fixing checkstyle issues.

96. Commit aaf14c45c96077c0075af8f3442e392b717244c1 in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=aaf14c4>] NIFI-655: - Refactoring web security to use Spring Security Java Configuration. - Introducing security in Web UI in order to get JWT. NIFI-655: - Setting up the resources (js/css) for the login page. NIFI-655: - Adding support for configuring anonymous roles. - Addressing checkstyle violations. NIFI-655: - Moving to token api to web-api. - Creating an LoginProvider API for user/pass based authentication. - Creating a module for funneling access to the authorized users. NIFI-655: - Moving away from usage of DN to identity throughout the application (from the user db to the authorization provider). - Updating the authorized users schema to support login users. - Creating an extension point for authentication of users based on username/password. NIFI-655: - Creating an endpoint for returning the identity of the current user. - Updating the LoginAuthenticationFilter. NIFI-655: - Moving NiFi registration to the login page. - Running the authentication filters in a different order to ensure we can disambiguate each case. - Starting to layout each case... Forbidden, Login, Create User, Create NiFi Account. NIFI-655: - Addressing checkstyle issues. NIFI-655: - Making nf-storage available in the login page. - Requiring use of local storage. - Ignoring security for GET requests when obtaining the login configuration. NIFI-655: - Adding a new endpoint to obtain the status of a user registration. - Updated the login page loading to ensure all possible states work. NIFI-655: - Ensuring we know the necessary state before we attempt to render the login page. - Building the proxy chain in the JWT authentication filter. - Only rendering the login when appropriate. NIFI-655: - Starting to style the login page. - Added simple 'login' support by identifying username/password. Issuing JWT token coming... - Added logout support - Rendering the username when

appropriate. NIFI-655: - Extracting certificate validation into a utility class. - Fixing checkstyle issues. - Cleaning up the web security context. - Removing proxy chain checking where possible. NIFI-655: - Starting to add support for registration. - Creating registration form. NIFI-655: - Starting to implement the JWT service. - Parsing JWT on client side in order to render who the user currently is when logged in. NIFI-655: - Allowing the user to link back to the log in page from the new account page. - Renaming DN to identity where possible. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding more/better support for logging out. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding a few new exceptions for the login identity provider. NIFI-655: - Disabling log in by default initially. - Restoring authorization service unit test. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Updating packages for log in filters. - Handling new registration exceptions. - Code clean up. NIFI-655: - Removing registration support. - Removing file based implementation. NIFI-655: - Removing file based implementation. NIFI-655: - Removing unused spring configuration files. NIFI-655: - Making the auto wiring more explicit. NIFI-655: - Removing unused dependencies. NIFI-655: - Removing unused filter. NIFI-655: - Updating the login API authenticate method to use a richer set of exceptions. - UI code clean. NIFI-655: - Ensuring the login identity provider is able to switch context classloaders via the standard NAR mechanisms. NIFI-655: - Initial commit of the LDAP based identity providers. - Fixed issue when attempting to log into a NiFi that does not support new account requests. NIFI-655: - Allowing the ldap provider to specify if client authentication is required/desired. NIFI-655: - Persisting keys to sign user tokens. - Allowing the identity provider to specify the token expiration. - Code clean up. NIFI-655: - Ensuring identities are unique in the key table. NIFI-655: - Adding support for specifying the user search base and user search filter in the active directory provider. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding automatic client side token renewal. NIFI-655: - Ensuring the logout link is rendered when appropriate. NIFI-655: - Adding configuration options for referrals and connect/read timeouts NIFI-655: - Added an endpoint for access details including configuration, creating tokens, and checking status. - Updated DTOs and client side to utilize new endpoints. NIFI-655: - Refactoring certificate extraction and validation. - Refactoring how expiration is specified in the login identity providers. - Adding unit tests for the access endpoints. - Code clean up. NIFI-655: - Keeping token expiration between 1 minute and 12 hours. NIFI-655: - Using the user identity provided by the login identity provider. NIFI-655: - Fixed typo in error message for unrecognized authentication strategy. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added logback-test.xml configuration resource for nifi-web-security. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added issuer field to LoginAuthenticationToken. - Updated AccessResource to pass identity provider class name when creating LoginAuthenticationTokens. - Began refactoring JWT logic from request parsing logic in JwtService. - Added unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Changed issuer field to use FQ class name because some classes return an empty string for getSimpleName(). - Finished refactoring JWT logic from request parsing logic in JwtService. - Updated AccessResource and JwtAuthenticationFilter to call new JwtService methods decoupled from request header parsing. - Added extensive unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Refactoring key service to expose the key id. - Handling client side expiration better. - Removing specialized active directory provider and abstract ldap provider. NIFI-655. - Updated JwtService and JwtServiceTest to use Key POJO instead of raw String key from KeyService. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Fixing typo when loading the ldap connect timeout. - Providing a better experience for session expiration. - Using ellipsis for lengthy user name. - Adding an issuer to the authentication response so the LIP can specify the appropriate value. NIFI-655: - Showing a logging in notification during the log in process. NIFI-655: - Removing unnecessary class. NIFI-655: - Fixing checkstyle issues. - Showing the progress spinner while submitting account justification. NIFI-655: - Removing deprecated authentication strategy. - Renaming TLS to START_TLS. - Allowing the protocol to be configured. NIFI-655: - Fixing issue detecting the presence of DN column NIFI-655: - Pre-populating the login-identity-providers.xml file with necessary properties and documentation. - Renaming the Authentication Duration property name. NIFI-655: - Updating documentation for the failure response codes. NIFI-655: - Ensuring the user identity is not too long. NIFI-655: - Updating default authentication expiration to 12 hours. NIFI-655: - Remaining on the login form when there is any unsuccessful login attempt. - Fixing checkstyle issues.

97. Commit aaf14c45c96077c0075af8f3442e392b717244c1 in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=aaf14c4>] NIFI-655: - Refactoring web security to use Spring Security Java Configuration. - Introducing security in Web UI in order to get JWT. NIFI-655: - Setting up the resources (js/css) for the login page. NIFI-655: - Adding support for configuring anonymous roles. - Addressing checkstyle violations. NIFI-655: - Moving to token api to web-api. - Creating an LoginProvider API for user/pass based authentication. - Creating a module for funneling access to the authorized users. NIFI-655: - Moving away from usage of DN to identity

throughout the application (from the user db to the authorization provider). - Updating the authorized users schema to support login users. - Creating an extension point for authentication of users based on username/password. NIFI-655: - Creating an endpoint for returning the identity of the current user. - Updating the LoginAuthenticationFilter. NIFI-655: - Moving NiFi registration to the login page. - Running the authentication filters in a different order to ensure we can disambiguate each case. - Starting to layout each case... Forbidden, Login, Create User, Create NiFi Account. NIFI-655: - Addressing checkstyle issues. NIFI-655: - Making nf-storage available in the login page. - Requiring use of local storage. - Ignoring security for GET requests when obtaining the login configuration. NIFI-655: - Adding a new endpoint to obtain the status of a user registration. - Updated the login page loading to ensure all possible states work. NIFI-655: - Ensuring we know the necessary state before we attempt to render the login page. - Building the proxy chain in the JWT authentication filter. - Only rendering the login when appropriate. NIFI-655: - Starting to style the login page. - Added simple 'login' support by identifying username/password. Issuing JWT token coming... - Added logout support - Rendering the username when appropriate. NIFI-655: - Extracting certificate validation into a utility class. - Fixing checkstyle issues. - Cleaning up the web security context. - Removing proxy chain checking where possible. NIFI-655: - Starting to add support for registration. - Creating registration form. NIFI-655: - Starting to implement the JWT service. - Parsing JWT on client side in order to render who the user currently is when logged in. NIFI-655: - Allowing the user to link back to the log in page from the new account page. - Renaming DN to identity where possible. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding more/better support for logging out. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding a few new exceptions for the login identity provider. NIFI-655: - Disabling log in by default initially. - Restoring authorization service unit test. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Updating packages for log in filters. - Handling new registration exceptions. - Code clean up. NIFI-655: - Removing registration support. - Removing file based implementation. NIFI-655: - Removing file based implementation. NIFI-655: - Removing unused spring configuration files. NIFI-655: - Making the auto wiring more explicit. NIFI-655: - Removing unused dependencies. NIFI-655: - Removing unused filter. NIFI-655: - Updating the login API authenticate method to use a richer set of exceptions. - UI code clean. NIFI-655: - Ensuring the login identity provider is able to switch context classloaders via the standard NAR mechanisms. NIFI-655: - Initial commit of the LDAP based identity providers. - Fixed issue when attempting to log into a NiFi that does not support new account requests. NIFI-655: - Allowing the ldap provider to specify if client authentication is required/desired. NIFI-655: - Persisting keys to sign user tokens. - Allowing the identity provider to specify the token expiration. - Code clean up. NIFI-655: - Ensuring identities are unique in the key table. NIFI-655: - Adding support for specifying the user search base and user search filter in the active directory provider. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding automatic client side token renewal. NIFI-655: - Ensuring the logout link is rendered when appropriate. NIFI-655: - Adding configuration options for referrals and connect/read timeouts NIFI-655: - Added an endpoint for access details including configuration, creating tokens, and checking status. - Updated DTOs and client side to utilize new endpoints. NIFI-655: - Refactoring certificate extraction and validation. - Refactoring how expiration is specified in the login identity providers. - Adding unit tests for the access endpoints. - Code clean up. NIFI-655: - Keeping token expiration between 1 minute and 12 hours. NIFI-655: - Using the user identity provided by the login identity provider. NIFI-655: - Fixed typo in error message for unrecognized authentication strategy. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added logback-test.xml configuration resource for nifi-web-security. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added issuer field to LoginAuthenticationToken. - Updated AccessResource to pass identity provider class name when creating LoginAuthenticationTokens. - Began refactoring JWT logic from request parsing logic in JwtService. - Added unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Changed issuer field to use FQ class name because some classes return an empty string for getSimpleName(). - Finished refactoring JWT logic from request parsing logic in JwtService. - Updated AccessResource and JwtAuthenticationFilter to call new JwtService methods decoupled from request header parsing. - Added extensive unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Refactoring key service to expose the key id. - Handling client side expiration better. - Removing specialized active directory provider and abstract ldap provider. NIFI-655. - Updated JwtService and JwtServiceTest to use Key POJO instead of raw String key from KeyService. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Fixing typo when loading the ldap connect timeout. - Providing a better experience for session expiration. - Using ellipsis for lengthy user name. - Adding an issuer to the authentication response so the LIP can specify the appropriate value. NIFI-655: - Showing a logging in notification during the log in process. NIFI-655: - Removing unnecessary class. NIFI-655: - Fixing checkstyle issues. - Showing the progress spinner while submitting account justification. NIFI-655: - Removing deprecated authentication strategy.

- Renaming TLS to START_TLS. - Allowing the protocol to be configured. NIFI-655: - Fixing issue detecting the presence of DN column NIFI-655: - Pre-populating the login-identity-providers.xml file with necessary properties and documentation. - Renaming the Authentication Duration property name. NIFI-655: - Updating documentation for the failure response codes. NIFI-655: - Ensuring the user identity is not too long. NIFI-655: - Updating default authentication expiration to 12 hours. NIFI-655: - Remaining on the login form when there is any unsuccessful login attempt. - Fixing checkstyle issues.

98. Commit aaf14c45c96077c0075af8f3442e392b717244c1 in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=aaf14c4>] NIFI-655: - Refactoring web security to use Spring Security Java Configuration. - Introducing security in Web UI in order to get JWT. NIFI-655: - Setting up the resources (js/css) for the login page. NIFI-655: - Adding support for configuring anonymous roles. - Addressing checkstyle violations. NIFI-655: - Moving to token api to web-api. - Creating an LoginProvider API for user/pass based authentication. - Creating a module for funneling access to the authorized users. NIFI-655: - Moving away from usage of DN to identity throughout the application (from the user db to the authorization provider). - Updating the authorized users schema to support login users. - Creating an extension point for authentication of users based on username/password. NIFI-655: - Creating an endpoint for returning the identity of the current user. - Updating the LoginAuthenticationFilter. NIFI-655: - Moving NiFi registration to the login page. - Running the authentication filters in a different order to ensure we can disambiguate each case. - Starting to layout each case... Forbidden, Login, Create User, Create NiFi Account. NIFI-655: - Addressing checkstyle issues. NIFI-655: - Making nf-storage available in the login page. - Requiring use of local storage. - Ignoring security for GET requests when obtaining the login configuration. NIFI-655: - Adding a new endpoint to obtain the status of a user registration. - Updated the login page loading to ensure all possible states work. NIFI-655: - Ensuring we know the necessary state before we attempt to render the login page. - Building the proxy chain in the JWT authentication filter. - Only rendering the login when appropriate. NIFI-655: - Starting to style the login page. - Added simple 'login' support by identifying username/password. Issuing JWT token coming... - Added logout support - Rendering the username when appropriate. NIFI-655: - Extracting certificate validation into a utility class. - Fixing checkstyle issues. - Cleaning up the web security context. - Removing proxy chain checking where possible. NIFI-655: - Starting to add support for registration. - Creating registration form. NIFI-655: - Starting to implement the JWT service. - Parsing JWT on client side in order to render who the user currently is when logged in. NIFI-655: - Allowing the user to link back to the log in page from the new account page. - Renaming DN to identity where possible. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding more/better support for logging out. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding a few new exceptions for the login identity provider. NIFI-655: - Disabling log in by default initially. - Restoring authorization service unit test. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Updating packages for log in filters. - Handling new registration exceptions. - Code clean up. NIFI-655: - Removing registration support. - Removing file based implementation. NIFI-655: - Removing file based implementation. NIFI-655: - Removing unused spring configuration files. NIFI-655: - Making the auto wiring more explicit. NIFI-655: - Removing unused dependencies. NIFI-655: - Removing unused filter. NIFI-655: - Updating the login API authenticate method to use a richer set of exceptions. - UI code clean. NIFI-655: - Ensuring the login identity provider is able to switch context classloaders via the standard NAR mechanisms. NIFI-655: - Initial commit of the LDAP based identity providers. - Fixed issue when attempting to log into a NiFi that does not support new account requests. NIFI-655: - Allowing the ldap provider to specify if client authentication is required/desired. NIFI-655: - Persisting keys to sign user tokens. - Allowing the identity provider to specify the token expiration. - Code clean up. NIFI-655: - Ensuring identities are unique in the key table. NIFI-655: - Adding support for specifying the user search base and user search filter in the active directory provider. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding automatic client side token renewal. NIFI-655: - Ensuring the logout link is rendered when appropriate. NIFI-655: - Adding configuration options for referrals and connect/read timeouts NIFI-655: - Added an endpoint for access details including configuration, creating tokens, and checking status. - Updated DTOs and client side to utilize new endpoints. NIFI-655: - Refactoring certificate extraction and validation. - Refactoring how expiration is specified in the login identity providers. - Adding unit tests for the access endpoints. - Code clean up. NIFI-655: - Keeping token expiration between 1 minute and 12 hours. NIFI-655: - Using the user identity provided by the login identity provider. NIFI-655: - Fixed typo in error message for unrecognized authentication strategy. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added logback-test.xml configuration resource for nifi-web-security. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added issuer field to LoginAuthenticationToken. - Updated AccessResource to pass identity provider class name when creating LoginAuthenticationTokens. - Began refactoring JWT logic from request parsing logic in JwtService. - Added unit tests for JWT logic. Signed-

off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Changed issuer field to use FQ class name because some classes return an empty string for getSimpleName(). - Finished refactoring JWT logic from request parsing logic in JwtService. - Updated AccessResource and JwtAuthenticationFilter to call new JwtService methods decoupled from request header parsing. - Added extensive unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Refactoring key service to expose the key id. - Handling client side expiration better. - Removing specialized active directory provider and abstract ldap provider. NIFI-655. - Updated JwtService and JwtServiceTest to use Key POJO instead of raw String key from KeyService. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Fixing typo when loading the ldap connect timeout. - Providing a better experience for session expiration. - Using ellipsis for lengthy user name. - Adding an issuer to the authentication response so the LIP can specify the appropriate value. NIFI-655: - Showing a logging in notification during the log in process. NIFI-655: - Removing unnecessary class. NIFI-655: - Fixing checkstyle issues. - Showing the progress spinner while submitting account justification. NIFI-655: - Removing deprecated authentication strategy. - Renaming TLS to START_TLS. - Allowing the protocol to be configured. NIFI-655: - Fixing issue detecting the presence of DN column NIFI-655: - Pre-populating the login-identity-providers.xml file with necessary properties and documentation. - Renaming the Authentication Duration property name. NIFI-655: - Updating documentation for the failure response codes. NIFI-655: - Ensuring the user identity is not too long. NIFI-655: - Updating default authentication expiration to 12 hours. NIFI-655: - Remaining on the login form when there is any unsuccessful login attempt. - Fixing checkstyle issues.

99. Commit aaf14c45c96077c0075af8f3442e392b717244c1 in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=aaf14c4>] NIFI-655: - Refactoring web security to use Spring Security Java Configuration. - Introducing security in Web UI in order to get JWT. NIFI-655: - Setting up the resources (js/css) for the login page. NIFI-655: - Adding support for configuring anonymous roles. - Addressing checkstyle violations. NIFI-655: - Moving to token api to web-api. - Creating an LoginProvider API for user/pass based authentication. - Creating a module for funneling access to the authorized users. NIFI-655: - Moving away from usage of DN to identity throughout the application (from the user db to the authorization provider). - Updating the authorized users schema to support login users. - Creating an extension point for authentication of users based on username/password. NIFI-655: - Creating an endpoint for returning the identity of the current user. - Updating the LoginAuthenticationFilter. NIFI-655: - Moving NiFi registration to the login page. - Running the authentication filters in a different order to ensure we can disambiguate each case. - Starting to layout each case... Forbidden, Login, Create User, Create NiFi Account. NIFI-655: - Addressing checkstyle issues. NIFI-655: - Making nf-storage available in the login page. - Requiring use of local storage. - Ignoring security for GET requests when obtaining the login configuration. NIFI-655: - Adding a new endpoint to obtain the status of a user registration. - Updated the login page loading to ensure all possible states work. NIFI-655: - Ensuring we know the necessary state before we attempt to render the login page. - Building the proxy chain in the JWT authentication filter. - Only rendering the login when appropriate. NIFI-655: - Starting to style the login page. - Added simple 'login' support by identifying username/password. Issuing JWT token coming... - Added logout support - Rendering the username when appropriate. NIFI-655: - Extracting certificate validation into a utility class. - Fixing checkstyle issues. - Cleaning up the web security context. - Removing proxy chain checking where possible. NIFI-655: - Starting to add support for registration. - Creating registration form. NIFI-655: - Starting to implement the JWT service. - Parsing JWT on client side in order to render who the user currently is when logged in. NIFI-655: - Allowing the user to link back to the log in page from the new account page. - Renaming DN to identity where possible. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding more/better support for logging out. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding a few new exceptions for the login identity provider. NIFI-655: - Disabling log in by default initially. - Restoring authorization service unit test. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Updating packages for log in filters. - Handling new registration exceptions. - Code clean up. NIFI-655: - Removing registration support. - Removing file based implementation. NIFI-655: - Removing file based implementation. NIFI-655: - Removing unused spring configuration files. NIFI-655: - Making the auto wiring more explicit. NIFI-655: - Removing unused dependencies. NIFI-655: - Removing unused filter. NIFI-655: - Updating the login API authenticate method to use a richer set of exceptions. - UI code clean. NIFI-655: - Ensuring the login identity provider is able to switch context classloaders via the standard NAR mechanisms. NIFI-655: - Initial commit of the LDAP based identity providers. - Fixed issue when attempting to log into a NiFi that does not support new account requests. NIFI-655: - Allowing the ldap provider to specify if client authentication is required/desired. NIFI-655: - Persisting keys to sign user tokens. - Allowing the identity provider to specify the token expiration. - Code clean up. NIFI-655: - Ensuring identities are unique in the key table. NIFI-655: - Adding support for specifying the user search base and user search

filter in the active directory provider. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding automatic client side token renewal. NIFI-655: - Ensuring the logout link is rendered when appropriate. NIFI-655: - Adding configuration options for referrals and connect/read timeouts NIFI-655: - Added an endpoint for access details including configuration, creating tokens, and checking status. - Updated DTOs and client side to utilize new endpoints. NIFI-655: - Refactoring certificate extraction and validation. - Refactoring how expiration is specified in the login identity providers. - Adding unit tests for the access endpoints. - Code clean up. NIFI-655: - Keeping token expiration between 1 minute and 12 hours. NIFI-655: - Using the user identity provided by the login identity provider. NIFI-655: - Fixed typo in error message for unrecognized authentication strategy. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added logback-test.xml configuration resource for nifi-web-security. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added issuer field to LoginAuthenticationToken. - Updated AccessResource to pass identity provider class name when creating LoginAuthenticationTokens. - Began refactoring JWT logic from request parsing logic in JwtService. - Added unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Changed issuer field to use FQ class name because some classes return an empty string for getSimpleName(). - Finished refactoring JWT logic from request parsing logic in JwtService. - Updated AccessResource and JwtAuthenticationFilter to call new JwtService methods decoupled from request header parsing. - Added extensive unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Refactoring key service to expose the key id. - Handling client side expiration better. - Removing specialized active directory provider and abstract ldap provider. NIFI-655. - Updated JwtService and JwtServiceTest to use Key POJO instead of raw String key from KeyService. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Fixing typo when loading the ldap connect timeout. - Providing a better experience for session expiration. - Using ellipsis for lengthy user name. - Adding an issuer to the authentication response so the LIP can specify the appropriate value. NIFI-655: - Showing a logging in notification during the log in process. NIFI-655: - Removing unnecessary class. NIFI-655: - Fixing checkstyle issues. - Showing the progress spinner while submitting account justification. NIFI-655: - Removing deprecated authentication strategy. - Renaming TLS to START_TLS. - Allowing the protocol to be configured. NIFI-655: - Fixing issue detecting the presence of DN column NIFI-655: - Pre-populating the login-identity-providers.xml file with necessary properties and documentation. - Renaming the Authentication Duration property name. NIFI-655: - Updating documentation for the failure response codes. NIFI-655: - Ensuring the user identity is not too long. NIFI-655: - Updating default authentication expiration to 12 hours. NIFI-655: - Remaining on the login form when there is any unsuccessful login attempt. - Fixing checkstyle issues.

100. Commit aaf14c45c96077c0075af8f3442e392b717244c1 in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=aaf14c4>] NIFI-655: - Refactoring web security to use Spring Security Java Configuration. - Introducing security in Web UI in order to get JWT. NIFI-655: - Setting up the resources (js/css) for the login page. NIFI-655: - Adding support for configuring anonymous roles. - Addressing checkstyle violations. NIFI-655: - Moving to token api to web-api. - Creating an LoginProvider API for user/pass based authentication. - Creating a module for funneling access to the authorized users. NIFI-655: - Moving away from usage of DN to identity throughout the application (from the user db to the authorization provider). - Updating the authorized users schema to support login users. - Creating an extension point for authentication of users based on username/password. NIFI-655: - Creating an endpoint for returning the identity of the current user. - Updating the LoginAuthenticationFilter. NIFI-655: - Moving NiFi registration to the login page. - Running the authentication filters in a different order to ensure we can disambiguate each case. - Starting to layout each case... Forbidden, Login, Create User, Create NiFi Account. NIFI-655: - Addressing checkstyle issues. NIFI-655: - Making nf-storage available in the login page. - Requiring use of local storage. - Ignoring security for GET requests when obtaining the login configuration. NIFI-655: - Adding a new endpoint to obtain the status of a user registration. - Updated the login page loading to ensure all possible states work. NIFI-655: - Ensuring we know the necessary state before we attempt to render the login page. - Building the proxy chain in the JWT authentication filter. - Only rendering the login when appropriate. NIFI-655: - Starting to style the login page. - Added simple 'login' support by identifying username/password. Issuing JWT token coming... - Added logout support - Rendering the username when appropriate. NIFI-655: - Extracting certificate validation into a utility class. - Fixing checkstyle issues. - Cleaning up the web security context. - Removing proxy chain checking where possible. NIFI-655: - Starting to add support for registration. - Creating registration form. NIFI-655: - Starting to implement the JWT service. - Parsing JWT on client side in order to render who the user currently is when logged in. NIFI-655: - Allowing the user to link back to the log in page from the new account page. - Renaming DN to identity where possible. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding more/better support for logging out. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding a few new exceptions for the

login identity provider. NIFI-655: - Disabling log in by default initially. - Restoring authorization service unit test. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Updating packages for log in filters. - Handling new registration exceptions. - Code clean up. NIFI-655: - Removing registration support. - Removing file based implementation. NIFI-655: - Removing file based implementation. NIFI-655: - Removing unused spring configuration files. NIFI-655: - Making the auto wiring more explicit. NIFI-655: - Removing unused dependencies. NIFI-655: - Removing unused filter. NIFI-655: - Updating the login API authenticate method to use a richer set of exceptions. - UI code clean. NIFI-655: - Ensuring the login identity provider is able to switch context classloaders via the standard NAR mechanisms. NIFI-655: - Initial commit of the LDAP based identity providers. - Fixed issue when attempting to log into a NiFi that does not support new account requests. NIFI-655: - Allowing the ldap provider to specify if client authentication is required/desired. NIFI-655: - Persisting keys to sign user tokens. - Allowing the identity provider to specify the token expiration. - Code clean up. NIFI-655: - Ensuring identities are unique in the key table. NIFI-655: - Adding support for specifying the user search base and user search filter in the active directory provider. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding automatic client side token renewal. NIFI-655: - Ensuring the logout link is rendered when appropriate. NIFI-655: - Adding configuration options for referrals and connect/read timeouts NIFI-655: - Added an endpoint for access details including configuration, creating tokens, and checking status. - Updated DTOs and client side to utilize new endpoints. NIFI-655: - Refactoring certificate extraction and validation. - Refactoring how expiration is specified in the login identity providers. - Adding unit tests for the access endpoints. - Code clean up. NIFI-655: - Keeping token expiration between 1 minute and 12 hours. NIFI-655: - Using the user identity provided by the login identity provider. NIFI-655: - Fixed typo in error message for unrecognized authentication strategy. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added logback-test.xml configuration resource for nifi-web-security. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added issuer field to LoginAuthenticationToken. - Updated AccessResource to pass identity provider class name when creating LoginAuthenticationTokens. - Began refactoring JWT logic from request parsing logic in JwtService. - Added unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Changed issuer field to use FQ class name because some classes return an empty string for getSimpleName(). - Finished refactoring JWT logic from request parsing logic in JwtService. - Updated AccessResource and JwtAuthenticationFilter to call new JwtService methods decoupled from request header parsing. - Added extensive unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Refactoring key service to expose the key id. - Handling client side expiration better. - Removing specialized active directory provider and abstract ldap provider. NIFI-655. - Updated JwtService and JwtServiceTest to use Key POJO instead of raw String key from KeyService. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Fixing typo when loading the ldap connect timeout. - Providing a better experience for session expiration. - Using ellipsis for lengthy user name. - Adding an issuer to the authentication response so the LIP can specify the appropriate value. NIFI-655: - Showing a logging in notification during the log in process. NIFI-655: - Removing unnecessary class. NIFI-655: - Fixing checkstyle issues. - Showing the progress spinner while submitting account justification. NIFI-655: - Removing deprecated authentication strategy. - Renaming TLS to START_TLS. - Allowing the protocol to be configured. NIFI-655: - Fixing issue detecting the presence of DN column NIFI-655: - Pre-populating the login-identity-providers.xml file with necessary properties and documentation. - Renaming the Authentication Duration property name. NIFI-655: - Updating documentation for the failure response codes. NIFI-655: - Ensuring the user identity is not too long. NIFI-655: - Updating default authentication expiration to 12 hours. NIFI-655: - Remaining on the login form when there is any unsuccessful login attempt. - Fixing checkstyle issues.

101. Commit aaf14c45c96077c0075af8f3442e392b717244c1 in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=aaf14c4>] NIFI-655: - Refactoring web security to use Spring Security Java Configuration. - Introducing security in Web UI in order to get JWT. NIFI-655: - Setting up the resources (js/css) for the login page. NIFI-655: - Adding support for configuring anonymous roles. - Addressing checkstyle violations. NIFI-655: - Moving to token api to web-api. - Creating an LoginProvider API for user/pass based authentication. - Creating a module for funneling access to the authorized users. NIFI-655: - Moving away from usage of DN to identity throughout the application (from the user db to the authorization provider). - Updating the authorized users schema to support login users. - Creating an extension point for authentication of users based on username/password. NIFI-655: - Creating an endpoint for returning the identity of the current user. - Updating the LoginAuthenticationFilter. NIFI-655: - Moving NiFi registration to the login page. - Running the authentication filters in a different order to ensure we can disambiguate each case. - Starting to layout each case... Forbidden, Login, Create User, Create NiFi Account. NIFI-655: - Addressing checkstyle issues. NIFI-655: - Making nf-storage available in the login page. - Requiring use of local

storage. - Ignoring security for GET requests when obtaining the login configuration. NIFI-655: - Adding a new endpoint to obtain the status of a user registration. - Updated the login page loading to ensure all possible states work. NIFI-655: - Ensuring we know the necessary state before we attempt to render the login page. - Building the proxy chain in the JWT authentication filter. - Only rendering the login when appropriate. NIFI-655: - Starting to style the login page. - Added simple 'login' support by identifying username/password. Issuing JWT token coming... - Added logout support - Rendering the username when appropriate. NIFI-655: - Extracting certificate validation into a utility class. - Fixing checkstyle issues. - Cleaning up the web security context. - Removing proxy chain checking where possible. NIFI-655: - Starting to add support for registration. - Creating registration form. NIFI-655: - Starting to implement the JWT service. - Parsing JWT on client side in order to render who the user currently is when logged in. NIFI-655: - Allowing the user to link back to the log in page from the new account page. - Renaming DN to identity where possible. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding more/better support for logging out. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding a few new exceptions for the login identity provider. NIFI-655: - Disabling log in by default initially. - Restoring authorization service unit test. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Updating packages for log in filters. - Handling new registration exceptions. - Code clean up. NIFI-655: - Removing registration support. - Removing file based implementation. NIFI-655: - Removing file based implementation. NIFI-655: - Removing unused spring configuration files. NIFI-655: - Making the auto wiring more explicit. NIFI-655: - Removing unused dependencies. NIFI-655: - Removing unused filter. NIFI-655: - Updating the login API authenticate method to use a richer set of exceptions. - UI code clean. NIFI-655: - Ensuring the login identity provider is able to switch context classloaders via the standard NAR mechanisms. NIFI-655: - Initial commit of the LDAP based identity providers. - Fixed issue when attempting to log into a NiFi that does not support new account requests. NIFI-655: - Allowing the ldap provider to specify if client authentication is required/desired. NIFI-655: - Persisting keys to sign user tokens. - Allowing the identity provider to specify the token expiration. - Code clean up. NIFI-655: - Ensuring identities are unique in the key table. NIFI-655: - Adding support for specifying the user search base and user search filter in the active directory provider. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding automatic client side token renewal. NIFI-655: - Ensuring the logout link is rendered when appropriate. NIFI-655: - Adding configuration options for referrals and connect/read timeouts NIFI-655: - Added an endpoint for access details including configuration, creating tokens, and checking status. - Updated DTOs and client side to utilize new endpoints. NIFI-655: - Refactoring certificate extraction and validation. - Refactoring how expiration is specified in the login identity providers. - Adding unit tests for the access endpoints. - Code clean up. NIFI-655: - Keeping token expiration between 1 minute and 12 hours. NIFI-655: - Using the user identity provided by the login identity provider. NIFI-655: - Fixed typo in error message for unrecognized authentication strategy. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added logback-test.xml configuration resource for nifi-web-security. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added issuer field to LoginAuthenticationToken. - Updated AccessResource to pass identity provider class name when creating LoginAuthenticationTokens. - Began refactoring JWT logic from request parsing logic in JwtService. - Added unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Changed issuer field to use FQ class name because some classes return an empty string for getSimpleName(). - Finished refactoring JWT logic from request parsing logic in JwtService. - Updated AccessResource and JwtAuthenticationFilter to call new JwtService methods decoupled from request header parsing. - Added extensive unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Refactoring key service to expose the key id. - Handling client side expiration better. - Removing specialized active directory provider and abstract ldap provider. NIFI-655. - Updated JwtService and JwtServiceTest to use Key POJO instead of raw String key from KeyService. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Fixing typo when loading the ldap connect timeout. - Providing a better experience for session expiration. - Using ellipsis for lengthy user name. - Adding an issuer to the authentication response so the LIP can specify the appropriate value. NIFI-655: - Showing a logging in notification during the log in process. NIFI-655: - Removing unnecessary class. NIFI-655: - Fixing checkstyle issues. - Showing the progress spinner while submitting account justification. NIFI-655: - Removing deprecated authentication strategy. - Renaming TLS to START_TLS. - Allowing the protocol to be configured. NIFI-655: - Fixing issue detecting the presence of DN column NIFI-655: - Pre-populating the login-identity-providers.xml file with necessary properties and documentation. - Renaming the Authentication Duration property name. NIFI-655: - Updating documentation for the failure response codes. NIFI-655: - Ensuring the user identity is not too long. NIFI-655: - Updating default authentication expiration to 12 hours. NIFI-655: - Remaining on the login form when there is any unsuccessful login attempt. - Fixing checkstyle issues.

102. Commit aaf14c45c96077c0075af8f3442e392b717244c1 in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=aaf14c4>] NIFI-655: - Refactoring web security to use Spring Security Java Configuration. - Introducing security in Web UI in order to get JWT. NIFI-655: - Setting up the resources (js/css) for the login page. NIFI-655: - Adding support for configuring anonymous roles. - Addressing checkstyle violations. NIFI-655: - Moving to token api to web-api. - Creating an LoginProvider API for user/pass based authentication. - Creating a module for funneling access to the authorized users. NIFI-655: - Moving away from usage of DN to identity throughout the application (from the user db to the authorization provider). - Updating the authorized users schema to support login users. - Creating an extension point for authentication of users based on username/password. NIFI-655: - Creating an endpoint for returning the identity of the current user. - Updating the LoginAuthenticationFilter. NIFI-655: - Moving NiFi registration to the login page. - Running the authentication filters in a different order to ensure we can disambiguate each case. - Starting to layout each case... Forbidden, Login, Create User, Create NiFi Account. NIFI-655: - Addressing checkstyle issues. NIFI-655: - Making nf-storage available in the login page. - Requiring use of local storage. - Ignoring security for GET requests when obtaining the login configuration. NIFI-655: - Adding a new endpoint to obtain the status of a user registration. - Updated the login page loading to ensure all possible states work. NIFI-655: - Ensuring we know the necessary state before we attempt to render the login page. - Building the proxy chain in the JWT authentication filter. - Only rendering the login when appropriate. NIFI-655: - Starting to style the login page. - Added simple 'login' support by identifying username/password. Issuing JWT token coming... - Added logout support - Rendering the username when appropriate. NIFI-655: - Extracting certificate validation into a utility class. - Fixing checkstyle issues. - Cleaning up the web security context. - Removing proxy chain checking where possible. NIFI-655: - Starting to add support for registration. - Creating registration form. NIFI-655: - Starting to implement the JWT service. - Parsing JWT on client side in order to render who the user currently is when logged in. NIFI-655: - Allowing the user to link back to the log in page from the new account page. - Renaming DN to identity where possible. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding more/better support for logging out. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding a few new exceptions for the login identity provider. NIFI-655: - Disabling log in by default initially. - Restoring authorization service unit test. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Updating packages for log in filters. - Handling new registration exceptions. - Code clean up. NIFI-655: - Removing registration support. - Removing file based implementation. NIFI-655: - Removing file based implementation. NIFI-655: - Removing unused spring configuration files. NIFI-655: - Making the auto wiring more explicit. NIFI-655: - Removing unused dependencies. NIFI-655: - Removing unused filter. NIFI-655: - Updating the login API authenticate method to use a richer set of exceptions. - UI code clean. NIFI-655: - Ensuring the login identity provider is able to switch context classloaders via the standard NAR mechanisms. NIFI-655: - Initial commit of the LDAP based identity providers. - Fixed issue when attempting to log into a NiFi that does not support new account requests. NIFI-655: - Allowing the ldap provider to specify if client authentication is required/desired. NIFI-655: - Persisting keys to sign user tokens. - Allowing the identity provider to specify the token expiration. - Code clean up. NIFI-655: - Ensuring identities are unique in the key table. NIFI-655: - Adding support for specifying the user search base and user search filter in the active directory provider. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding automatic client side token renewal. NIFI-655: - Ensuring the logout link is rendered when appropriate. NIFI-655: - Adding configuration options for referrals and connect/read timeouts NIFI-655: - Added an endpoint for access details including configuration, creating tokens, and checking status. - Updated DTOs and client side to utilize new endpoints. NIFI-655: - Refactoring certificate extraction and validation. - Refactoring how expiration is specified in the login identity providers. - Adding unit tests for the access endpoints. - Code clean up. NIFI-655: - Keeping token expiration between 1 minute and 12 hours. NIFI-655: - Using the user identity provided by the login identity provider. NIFI-655: - Fixed typo in error message for unrecognized authentication strategy. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added logback-test.xml configuration resource for nifi-web-security. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added issuer field to LoginAuthenticationToken. - Updated AccessResource to pass identity provider class name when creating LoginAuthenticationTokens. - Began refactoring JWT logic from request parsing logic in JwtService. - Added unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Changed issuer field to use FQ class name because some classes return an empty string for getSimpleName(). - Finished refactoring JWT logic from request parsing logic in JwtService. - Updated AccessResource and JwtAuthenticationFilter to call new JwtService methods decoupled from request header parsing. - Added extensive unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Refactoring key service to expose the key id. - Handling client side expiration better. - Removing specialized active directory provider and

abstract ldap provider. NIFI-655: - Updated JwtService and JwtServiceTest to use Key POJO instead of raw String key from KeyService. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Fixing typo when loading the ldap connect timeout. - Providing a better experience for session expiration. - Using ellipsis for lengthy user name. - Adding an issuer to the authentication response so the LIP can specify the appropriate value. NIFI-655: - Showing a logging in notification during the log in process. NIFI-655: - Removing unnecessary class. NIFI-655: - Fixing checkstyle issues. - Showing the progress spinner while submitting account justification. NIFI-655: - Removing deprecated authentication strategy. - Renaming TLS to START_TLS. - Allowing the protocol to be configured. NIFI-655: - Fixing issue detecting the presence of DN column NIFI-655: - Pre-populating the login-identity-providers.xml file with necessary properties and documentation. - Renaming the Authentication Duration property name. NIFI-655: - Updating documentation for the failure response codes. NIFI-655: - Ensuring the user identity is not too long. NIFI-655: - Updating default authentication expiration to 12 hours. NIFI-655: - Remaining on the login form when there is any unsuccessful login attempt. - Fixing checkstyle issues.

103. Commit aaf14c45c96077c0075af8f3442e392b717244c1 in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=aaf14c4>] NIFI-655: - Refactoring web security to use Spring Security Java Configuration. - Introducing security in Web UI in order to get JWT. NIFI-655: - Setting up the resources (js/css) for the login page. NIFI-655: - Adding support for configuring anonymous roles. - Addressing checkstyle violations. NIFI-655: - Moving to token api to web-api. - Creating an LoginProvider API for user/pass based authentication. - Creating a module for funneling access to the authorized users. NIFI-655: - Moving away from usage of DN to identity throughout the application (from the user db to the authorization provider). - Updating the authorized users schema to support login users. - Creating an extension point for authentication of users based on username/password. NIFI-655: - Creating an endpoint for returning the identity of the current user. - Updating the LoginAuthenticationFilter. NIFI-655: - Moving NiFi registration to the login page. - Running the authentication filters in a different order to ensure we can disambiguate each case. - Starting to layout each case... Forbidden, Login, Create User, Create NiFi Account. NIFI-655: - Addressing checkstyle issues. NIFI-655: - Making nf-storage available in the login page. - Requiring use of local storage. - Ignoring security for GET requests when obtaining the login configuration. NIFI-655: - Adding a new endpoint to obtain the status of a user registration. - Updated the login page loading to ensure all possible states work. NIFI-655: - Ensuring we know the necessary state before we attempt to render the login page. - Building the proxy chain in the JWT authentication filter. - Only rendering the login when appropriate. NIFI-655: - Starting to style the login page. - Added simple 'login' support by identifying username/password. Issuing JWT token coming... - Added logout support - Rendering the username when appropriate. NIFI-655: - Extracting certificate validation into a utility class. - Fixing checkstyle issues. - Cleaning up the web security context. - Removing proxy chain checking where possible. NIFI-655: - Starting to add support for registration. - Creating registration form. NIFI-655: - Starting to implement the JWT service. - Parsing JWT on client side in order to render who the user currently is when logged in. NIFI-655: - Allowing the user to link back to the log in page from the new account page. - Renaming DN to identity where possible. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding more/better support for logging out. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding a few new exceptions for the login identity provider. NIFI-655: - Disabling log in by default initially. - Restoring authorization service unit test. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Updating packages for log in filters. - Handling new registration exceptions. - Code clean up. NIFI-655: - Removing registration support. - Removing file based implementation. NIFI-655: - Removing file based implementation. NIFI-655: - Removing unused spring configuration files. NIFI-655: - Making the auto wiring more explicit. NIFI-655: - Removing unused dependencies. NIFI-655: - Removing unused filter. NIFI-655: - Updating the login API authenticate method to use a richer set of exceptions. - UI code clean. NIFI-655: - Ensuring the login identity provider is able to switch context classloaders via the standard NAR mechanisms. NIFI-655: - Initial commit of the LDAP based identity providers. - Fixed issue when attempting to log into a NiFi that does not support new account requests. NIFI-655: - Allowing the ldap provider to specify if client authentication is required/desired. NIFI-655: - Persisting keys to sign user tokens. - Allowing the identity provider to specify the token expiration. - Code clean up. NIFI-655: - Ensuring identities are unique in the key table. NIFI-655: - Adding support for specifying the user search base and user search filter in the active directory provider. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding automatic client side token renewal. NIFI-655: - Ensuring the logout link is rendered when appropriate. NIFI-655: - Adding configuration options for referrals and connect/read timeouts NIFI-655: - Added an endpoint for access details including configuration, creating tokens, and checking status. - Updated DTOs and client side to utilize new endpoints. NIFI-655: - Refactoring certificate extraction and validation. - Refactoring how expiration is specified in the login identity providers. - Adding unit tests for the access endpoints. -

Code clean up. NIFI-655: - Keeping token expiration between 1 minute and 12 hours. NIFI-655: - Using the user identity provided by the login identity provider. NIFI-655: - Fixed typo in error message for unrecognized authentication strategy. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added logback-test.xml configuration resource for nifi-web-security. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added issuer field to LoginAuthenticationToken. - Updated AccessResource to pass identity provider class name when creating LoginAuthenticationTokens. - Began refactoring JWT logic from request parsing logic in JwtService. - Added unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Changed issuer field to use FQ class name because some classes return an empty string for getSimpleName(). - Finished refactoring JWT logic from request parsing logic in JwtService. - Updated AccessResource and JwtAuthenticationFilter to call new JwtService methods decoupled from request header parsing. - Added extensive unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Refactoring key service to expose the key id. - Handling client side expiration better. - Removing specialized active directory provider and abstract ldap provider. NIFI-655. - Updated JwtService and JwtServiceTest to use Key POJO instead of raw String key from KeyService. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Fixing typo when loading the ldap connect timeout. - Providing a better experience for session expiration. - Using ellipsis for lengthy user name. - Adding an issuer to the authentication response so the LIP can specify the appropriate value. NIFI-655: - Showing a logging in notification during the log in process. NIFI-655: - Removing unnecessary class. NIFI-655: - Fixing checkstyle issues. - Showing the progress spinner while submitting account justification. NIFI-655: - Removing deprecated authentication strategy. - Renaming TLS to START_TLS. - Allowing the protocol to be configured. NIFI-655: - Fixing issue detecting the presence of DN column NIFI-655: - Pre-populating the login-identity-providers.xml file with necessary properties and documentation. - Renaming the Authentication Duration property name. NIFI-655: - Updating documentation for the failure response codes. NIFI-655: - Ensuring the user identity is not too long. NIFI-655: - Updating default authentication expiration to 12 hours. NIFI-655: - Remaining on the login form when there is any unsuccessful login attempt. - Fixing checkstyle issues.

104. Commit aaf14c45c96077c0075af8f3442e392b717244c1 in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=aaf14c4>] NIFI-655: - Refactoring web security to use Spring Security Java Configuration. - Introducing security in Web UI in order to get JWT. NIFI-655: - Setting up the resources (js/css) for the login page. NIFI-655: - Adding support for configuring anonymous roles. - Addressing checkstyle violations. NIFI-655: - Moving to token api to web-api. - Creating an LoginProvider API for user/pass based authentication. - Creating a module for funneling access to the authorized users. NIFI-655: - Moving away from usage of DN to identity throughout the application (from the user db to the authorization provider). - Updating the authorized users schema to support login users. - Creating an extension point for authentication of users based on username/password. NIFI-655: - Creating an endpoint for returning the identity of the current user. - Updating the LoginAuthenticationFilter. NIFI-655: - Moving NiFi registration to the login page. - Running the authentication filters in a different order to ensure we can disambiguate each case. - Starting to layout each case... Forbidden, Login, Create User, Create NiFi Account. NIFI-655: - Addressing checkstyle issues. NIFI-655: - Making nf-storage available in the login page. - Requiring use of local storage. - Ignoring security for GET requests when obtaining the login configuration. NIFI-655: - Adding a new endpoint to obtain the status of a user registration. - Updated the login page loading to ensure all possible states work. NIFI-655: - Ensuring we know the necessary state before we attempt to render the login page. - Building the proxy chain in the JWT authentication filter. - Only rendering the login when appropriate. NIFI-655: - Starting to style the login page. - Added simple 'login' support by identifying username/password. Issuing JWT token coming... - Added logout support - Rendering the username when appropriate. NIFI-655: - Extracting certificate validation into a utility class. - Fixing checkstyle issues. - Cleaning up the web security context. - Removing proxy chain checking where possible. NIFI-655: - Starting to add support for registration. - Creating registration form. NIFI-655: - Starting to implement the JWT service. - Parsing JWT on client side in order to render who the user currently is when logged in. NIFI-655: - Allowing the user to link back to the log in page from the new account page. - Renaming DN to identity where possible. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding more/better support for logging out. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding a few new exceptions for the login identity provider. NIFI-655: - Disabling log in by default initially. - Restoring authorization service unit test. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Updating packages for log in filters. - Handling new registration exceptions. - Code clean up. NIFI-655: - Removing registration support. - Removing file based implementation. NIFI-655: - Removing file based implementation. NIFI-655: - Removing unused spring configuration files. NIFI-655: - Making the auto wiring more explicit. NIFI-655: - Removing unused dependencies. NIFI-655: - Removing unused filter. NIFI-655: - Updating the

login API authenticate method to use a richer set of exceptions. - UI code clean. NIFI-655: - Ensuring the login identity provider is able to switch context classloaders via the standard NAR mechanisms. NIFI-655: - Initial commit of the LDAP based identity providers. - Fixed issue when attempting to log into a NiFi that does not support new account requests. NIFI-655: - Allowing the ldap provider to specify if client authentication is required/desired. NIFI-655: - Persisting keys to sign user tokens. - Allowing the identity provider to specify the token expiration. - Code clean up. NIFI-655: - Ensuring identities are unique in the key table. NIFI-655: - Adding support for specifying the user search base and user search filter in the active directory provider. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding automatic client side token renewal. NIFI-655: - Ensuring the logout link is rendered when appropriate. NIFI-655: - Adding configuration options for referrals and connect/read timeouts NIFI-655: - Added an endpoint for access details including configuration, creating tokens, and checking status. - Updated DTOs and client side to utilize new endpoints. NIFI-655: - Refactoring certificate extraction and validation. - Refactoring how expiration is specified in the login identity providers. - Adding unit tests for the access endpoints. - Code clean up. NIFI-655: - Keeping token expiration between 1 minute and 12 hours. NIFI-655: - Using the user identity provided by the login identity provider. NIFI-655: - Fixed typo in error message for unrecognized authentication strategy. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added logback-test.xml configuration resource for nifi-web-security. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added issuer field to LoginAuthenticationToken. - Updated AccessResource to pass identity provider class name when creating LoginAuthenticationTokens. - Began refactoring JWT logic from request parsing logic in JwtService. - Added unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Changed issuer field to use FQ class name because some classes return an empty string for getSimpleName(). - Finished refactoring JWT logic from request parsing logic in JwtService. - Updated AccessResource and JwtAuthenticationFilter to call new JwtService methods decoupled from request header parsing. - Added extensive unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Refactoring key service to expose the key id. - Handling client side expiration better. - Removing specialized active directory provider and abstract ldap provider. NIFI-655. - Updated JwtService and JwtServiceTest to use Key POJO instead of raw String key from KeyService. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Fixing typo when loading the ldap connect timeout. - Providing a better experience for session expiration. - Using ellipsis for lengthy user name. - Adding an issuer to the authentication response so the LIP can specify the appropriate value. NIFI-655: - Showing a logging in notification during the log in process. NIFI-655: - Removing unnecessary class. NIFI-655: - Fixing checkstyle issues. - Showing the progress spinner while submitting account justification. NIFI-655: - Removing deprecated authentication strategy. - Renaming TLS to START_TLS. - Allowing the protocol to be configured. NIFI-655: - Fixing issue detecting the presence of DN column NIFI-655: - Pre-populating the login-identity-providers.xml file with necessary properties and documentation. - Renaming the Authentication Duration property name. NIFI-655: - Updating documentation for the failure response codes. NIFI-655: - Ensuring the user identity is not too long. NIFI-655: - Updating default authentication expiration to 12 hours. NIFI-655: - Remaining on the login form when there is any unsuccessful login attempt. - Fixing checkstyle issues.

105. Commit aaf14c45c96077c0075af8f3442e392b717244c1 in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=aaf14c4>] NIFI-655: - Refactoring web security to use Spring Security Java Configuration. - Introducing security in Web UI in order to get JWT. NIFI-655: - Setting up the resources (js/css) for the login page. NIFI-655: - Adding support for configuring anonymous roles. - Addressing checkstyle violations. NIFI-655: - Moving to token api to web-api. - Creating an LoginProvider API for user/pass based authentication. - Creating a module for funneling access to the authorized users. NIFI-655: - Moving away from usage of DN to identity throughout the application (from the user db to the authorization provider). - Updating the authorized users schema to support login users. - Creating an extension point for authentication of users based on username/password. NIFI-655: - Creating an endpoint for returning the identity of the current user. - Updating the LoginAuthenticationFilter. NIFI-655: - Moving NiFi registration to the login page. - Running the authentication filters in a different order to ensure we can disambiguate each case. - Starting to layout each case... Forbidden, Login, Create User, Create NiFi Account. NIFI-655: - Addressing checkstyle issues. NIFI-655: - Making nf-storage available in the login page. - Requiring use of local storage. - Ignoring security for GET requests when obtaining the login configuration. NIFI-655: - Adding a new endpoint to obtain the status of a user registration. - Updated the login page loading to ensure all possible states work. NIFI-655: - Ensuring we know the necessary state before we attempt to render the login page. - Building the proxy chain in the JWT authentication filter. - Only rendering the login when appropriate. NIFI-655: - Starting to style the login page. - Added simple 'login' support by identifying username/password. Issuing JWT token coming... - Added logout support - Rendering the username when

appropriate. NIFI-655: - Extracting certificate validation into a utility class. - Fixing checkstyle issues. - Cleaning up the web security context. - Removing proxy chain checking where possible. NIFI-655: - Starting to add support for registration. - Creating registration form. NIFI-655: - Starting to implement the JWT service. - Parsing JWT on client side in order to render who the user currently is when logged in. NIFI-655: - Allowing the user to link back to the log in page from the new account page. - Renaming DN to identity where possible. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding more/better support for logging out. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding a few new exceptions for the login identity provider. NIFI-655: - Disabling log in by default initially. - Restoring authorization service unit test. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Updating packages for log in filters. - Handling new registration exceptions. - Code clean up. NIFI-655: - Removing registration support. - Removing file based implementation. NIFI-655: - Removing file based implementation. NIFI-655: - Removing unused spring configuration files. NIFI-655: - Making the auto wiring more explicit. NIFI-655: - Removing unused dependencies. NIFI-655: - Removing unused filter. NIFI-655: - Updating the login API authenticate method to use a richer set of exceptions. - UI code clean. NIFI-655: - Ensuring the login identity provider is able to switch context classloaders via the standard NAR mechanisms. NIFI-655: - Initial commit of the LDAP based identity providers. - Fixed issue when attempting to log into a NiFi that does not support new account requests. NIFI-655: - Allowing the ldap provider to specify if client authentication is required/desired. NIFI-655: - Persisting keys to sign user tokens. - Allowing the identity provider to specify the token expiration. - Code clean up. NIFI-655: - Ensuring identities are unique in the key table. NIFI-655: - Adding support for specifying the user search base and user search filter in the active directory provider. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding automatic client side token renewal. NIFI-655: - Ensuring the logout link is rendered when appropriate. NIFI-655: - Adding configuration options for referrals and connect/read timeouts NIFI-655: - Added an endpoint for access details including configuration, creating tokens, and checking status. - Updated DTOs and client side to utilize new endpoints. NIFI-655: - Refactoring certificate extraction and validation. - Refactoring how expiration is specified in the login identity providers. - Adding unit tests for the access endpoints. - Code clean up. NIFI-655: - Keeping token expiration between 1 minute and 12 hours. NIFI-655: - Using the user identity provided by the login identity provider. NIFI-655: - Fixed typo in error message for unrecognized authentication strategy. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added logback-test.xml configuration resource for nifi-web-security. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added issuer field to LoginAuthenticationToken. - Updated AccessResource to pass identity provider class name when creating LoginAuthenticationTokens. - Began refactoring JWT logic from request parsing logic in JwtService. - Added unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Changed issuer field to use FQ class name because some classes return an empty string for getSimpleName(). - Finished refactoring JWT logic from request parsing logic in JwtService. - Updated AccessResource and JwtAuthenticationFilter to call new JwtService methods decoupled from request header parsing. - Added extensive unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Refactoring key service to expose the key id. - Handling client side expiration better. - Removing specialized active directory provider and abstract ldap provider. NIFI-655. - Updated JwtService and JwtServiceTest to use Key POJO instead of raw String key from KeyService. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Fixing typo when loading the ldap connect timeout. - Providing a better experience for session expiration. - Using ellipsis for lengthy user name. - Adding an issuer to the authentication response so the LIP can specify the appropriate value. NIFI-655: - Showing a logging in notification during the log in process. NIFI-655: - Removing unnecessary class. NIFI-655: - Fixing checkstyle issues. - Showing the progress spinner while submitting account justification. NIFI-655: - Removing deprecated authentication strategy. - Renaming TLS to START_TLS. - Allowing the protocol to be configured. NIFI-655: - Fixing issue detecting the presence of DN column NIFI-655: - Pre-populating the login-identity-providers.xml file with necessary properties and documentation. - Renaming the Authentication Duration property name. NIFI-655: - Updating documentation for the failure response codes. NIFI-655: - Ensuring the user identity is not too long. NIFI-655: - Updating default authentication expiration to 12 hours. NIFI-655: - Remaining on the login form when there is any unsuccessful login attempt. - Fixing checkstyle issues.

106. Commit aaf14c45c96077c0075af8f3442e392b717244c1 in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=aaf14c4>] NIFI-655: - Refactoring web security to use Spring Security Java Configuration. - Introducing security in Web UI in order to get JWT. NIFI-655: - Setting up the resources (js/css) for the login page. NIFI-655: - Adding support for configuring anonymous roles. - Addressing checkstyle violations. NIFI-655: - Moving to token api to web-api. - Creating an LoginProvider API for user/pass based authentication. - Creating a module for funneling access to the authorized users. NIFI-655: - Moving away from usage of DN to identity

throughout the application (from the user db to the authorization provider). - Updating the authorized users schema to support login users. - Creating an extension point for authentication of users based on username/password. NIFI-655: - Creating an endpoint for returning the identity of the current user. - Updating the LoginAuthenticationFilter. NIFI-655: - Moving NiFi registration to the login page. - Running the authentication filters in a different order to ensure we can disambiguate each case. - Starting to layout each case... Forbidden, Login, Create User, Create NiFi Account. NIFI-655: - Addressing checkstyle issues. NIFI-655: - Making nf-storage available in the login page. - Requiring use of local storage. - Ignoring security for GET requests when obtaining the login configuration. NIFI-655: - Adding a new endpoint to obtain the status of a user registration. - Updated the login page loading to ensure all possible states work. NIFI-655: - Ensuring we know the necessary state before we attempt to render the login page. - Building the proxy chain in the JWT authentication filter. - Only rendering the login when appropriate. NIFI-655: - Starting to style the login page. - Added simple 'login' support by identifying username/password. Issuing JWT token coming... - Added logout support - Rendering the username when appropriate. NIFI-655: - Extracting certificate validation into a utility class. - Fixing checkstyle issues. - Cleaning up the web security context. - Removing proxy chain checking where possible. NIFI-655: - Starting to add support for registration. - Creating registration form. NIFI-655: - Starting to implement the JWT service. - Parsing JWT on client side in order to render who the user currently is when logged in. NIFI-655: - Allowing the user to link back to the log in page from the new account page. - Renaming DN to identity where possible. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding more/better support for logging out. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding a few new exceptions for the login identity provider. NIFI-655: - Disabling log in by default initially. - Restoring authorization service unit test. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Updating packages for log in filters. - Handling new registration exceptions. - Code clean up. NIFI-655: - Removing registration support. - Removing file based implementation. NIFI-655: - Removing file based implementation. NIFI-655: - Removing unused spring configuration files. NIFI-655: - Making the auto wiring more explicit. NIFI-655: - Removing unused dependencies. NIFI-655: - Removing unused filter. NIFI-655: - Updating the login API authenticate method to use a richer set of exceptions. - UI code clean. NIFI-655: - Ensuring the login identity provider is able to switch context classloaders via the standard NAR mechanisms. NIFI-655: - Initial commit of the LDAP based identity providers. - Fixed issue when attempting to log into a NiFi that does not support new account requests. NIFI-655: - Allowing the ldap provider to specify if client authentication is required/desired. NIFI-655: - Persisting keys to sign user tokens. - Allowing the identity provider to specify the token expiration. - Code clean up. NIFI-655: - Ensuring identities are unique in the key table. NIFI-655: - Adding support for specifying the user search base and user search filter in the active directory provider. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding automatic client side token renewal. NIFI-655: - Ensuring the logout link is rendered when appropriate. NIFI-655: - Adding configuration options for referrals and connect/read timeouts NIFI-655: - Added an endpoint for access details including configuration, creating tokens, and checking status. - Updated DTOs and client side to utilize new endpoints. NIFI-655: - Refactoring certificate extraction and validation. - Refactoring how expiration is specified in the login identity providers. - Adding unit tests for the access endpoints. - Code clean up. NIFI-655: - Keeping token expiration between 1 minute and 12 hours. NIFI-655: - Using the user identity provided by the login identity provider. NIFI-655: - Fixed typo in error message for unrecognized authentication strategy. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added logback-test.xml configuration resource for nifi-web-security. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added issuer field to LoginAuthenticationToken. - Updated AccessResource to pass identity provider class name when creating LoginAuthenticationTokens. - Began refactoring JWT logic from request parsing logic in JwtService. - Added unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Changed issuer field to use FQ class name because some classes return an empty string for getSimpleName(). - Finished refactoring JWT logic from request parsing logic in JwtService. - Updated AccessResource and JwtAuthenticationFilter to call new JwtService methods decoupled from request header parsing. - Added extensive unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Refactoring key service to expose the key id. - Handling client side expiration better. - Removing specialized active directory provider and abstract ldap provider. NIFI-655. - Updated JwtService and JwtServiceTest to use Key POJO instead of raw String key from KeyService. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Fixing typo when loading the ldap connect timeout. - Providing a better experience for session expiration. - Using ellipsis for lengthy user name. - Adding an issuer to the authentication response so the LIP can specify the appropriate value. NIFI-655: - Showing a logging in notification during the log in process. NIFI-655: - Removing unnecessary class. NIFI-655: - Fixing checkstyle issues. - Showing the progress spinner while submitting account justification. NIFI-655: - Removing deprecated authentication strategy.

- Renaming TLS to START_TLS. - Allowing the protocol to be configured. NIFI-655: - Fixing issue detecting the presence of DN column NIFI-655: - Pre-populating the login-identity-providers.xml file with necessary properties and documentation. - Renaming the Authentication Duration property name. NIFI-655: - Updating documentation for the failure response codes. NIFI-655: - Ensuring the user identity is not too long. NIFI-655: - Updating default authentication expiration to 12 hours. NIFI-655: - Remaining on the login form when there is any unsuccessful login attempt. - Fixing checkstyle issues.

107. Commit aaf14c45c96077c0075af8f3442e392b717244c1 in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=aaf14c4>] NIFI-655: - Refactoring web security to use Spring Security Java Configuration. - Introducing security in Web UI in order to get JWT. NIFI-655: - Setting up the resources (js/css) for the login page. NIFI-655: - Adding support for configuring anonymous roles. - Addressing checkstyle violations. NIFI-655: - Moving to token api to web-api. - Creating an LoginProvider API for user/pass based authentication. - Creating a module for funneling access to the authorized users. NIFI-655: - Moving away from usage of DN to identity throughout the application (from the user db to the authorization provider). - Updating the authorized users schema to support login users. - Creating an extension point for authentication of users based on username/password. NIFI-655: - Creating an endpoint for returning the identity of the current user. - Updating the LoginAuthenticationFilter. NIFI-655: - Moving NiFi registration to the login page. - Running the authentication filters in a different order to ensure we can disambiguate each case. - Starting to layout each case... Forbidden, Login, Create User, Create NiFi Account. NIFI-655: - Addressing checkstyle issues. NIFI-655: - Making nf-storage available in the login page. - Requiring use of local storage. - Ignoring security for GET requests when obtaining the login configuration. NIFI-655: - Adding a new endpoint to obtain the status of a user registration. - Updated the login page loading to ensure all possible states work. NIFI-655: - Ensuring we know the necessary state before we attempt to render the login page. - Building the proxy chain in the JWT authentication filter. - Only rendering the login when appropriate. NIFI-655: - Starting to style the login page. - Added simple 'login' support by identifying username/password. Issuing JWT token coming... - Added logout support - Rendering the username when appropriate. NIFI-655: - Extracting certificate validation into a utility class. - Fixing checkstyle issues. - Cleaning up the web security context. - Removing proxy chain checking where possible. NIFI-655: - Starting to add support for registration. - Creating registration form. NIFI-655: - Starting to implement the JWT service. - Parsing JWT on client side in order to render who the user currently is when logged in. NIFI-655: - Allowing the user to link back to the log in page from the new account page. - Renaming DN to identity where possible. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding more/better support for logging out. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding a few new exceptions for the login identity provider. NIFI-655: - Disabling log in by default initially. - Restoring authorization service unit test. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Updating packages for log in filters. - Handling new registration exceptions. - Code clean up. NIFI-655: - Removing registration support. - Removing file based implementation. NIFI-655: - Removing file based implementation. NIFI-655: - Removing unused spring configuration files. NIFI-655: - Making the auto wiring more explicit. NIFI-655: - Removing unused dependencies. NIFI-655: - Removing unused filter. NIFI-655: - Updating the login API authenticate method to use a richer set of exceptions. - UI code clean. NIFI-655: - Ensuring the login identity provider is able to switch context classloaders via the standard NAR mechanisms. NIFI-655: - Initial commit of the LDAP based identity providers. - Fixed issue when attempting to log into a NiFi that does not support new account requests. NIFI-655: - Allowing the ldap provider to specify if client authentication is required/desired. NIFI-655: - Persisting keys to sign user tokens. - Allowing the identity provider to specify the token expiration. - Code clean up. NIFI-655: - Ensuring identities are unique in the key table. NIFI-655: - Adding support for specifying the user search base and user search filter in the active directory provider. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding automatic client side token renewal. NIFI-655: - Ensuring the logout link is rendered when appropriate. NIFI-655: - Adding configuration options for referrals and connect/read timeouts NIFI-655: - Added an endpoint for access details including configuration, creating tokens, and checking status. - Updated DTOs and client side to utilize new endpoints. NIFI-655: - Refactoring certificate extraction and validation. - Refactoring how expiration is specified in the login identity providers. - Adding unit tests for the access endpoints. - Code clean up. NIFI-655: - Keeping token expiration between 1 minute and 12 hours. NIFI-655: - Using the user identity provided by the login identity provider. NIFI-655: - Fixed typo in error message for unrecognized authentication strategy. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added logback-test.xml configuration resource for nifi-web-security. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added issuer field to LoginAuthenticationToken. - Updated AccessResource to pass identity provider class name when creating LoginAuthenticationTokens. - Began refactoring JWT logic from request parsing logic in JwtService. - Added unit tests for JWT logic. Signed-

off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Changed issuer field to use FQ class name because some classes return an empty string for getSimpleName(). - Finished refactoring JWT logic from request parsing logic in JwtService. - Updated AccessResource and JwtAuthenticationFilter to call new JwtService methods decoupled from request header parsing. - Added extensive unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Refactoring key service to expose the key id. - Handling client side expiration better. - Removing specialized active directory provider and abstract ldap provider. NIFI-655. - Updated JwtService and JwtServiceTest to use Key POJO instead of raw String key from KeyService. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Fixing typo when loading the ldap connect timeout. - Providing a better experience for session expiration. - Using ellipsis for lengthy user name. - Adding an issuer to the authentication response so the LIP can specify the appropriate value. NIFI-655: - Showing a logging in notification during the log in process. NIFI-655: - Removing unnecessary class. NIFI-655: - Fixing checkstyle issues. - Showing the progress spinner while submitting account justification. NIFI-655: - Removing deprecated authentication strategy. - Renaming TLS to START_TLS. - Allowing the protocol to be configured. NIFI-655: - Fixing issue detecting the presence of DN column NIFI-655: - Pre-populating the login-identity-providers.xml file with necessary properties and documentation. - Renaming the Authentication Duration property name. NIFI-655: - Updating documentation for the failure response codes. NIFI-655: - Ensuring the user identity is not too long. NIFI-655: - Updating default authentication expiration to 12 hours. NIFI-655: - Remaining on the login form when there is any unsuccessful login attempt. - Fixing checkstyle issues.

108. Commit aaf14c45c96077c0075af8f3442e392b717244c1 in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=aaf14c4>] NIFI-655: - Refactoring web security to use Spring Security Java Configuration. - Introducing security in Web UI in order to get JWT. NIFI-655: - Setting up the resources (js/css) for the login page. NIFI-655: - Adding support for configuring anonymous roles. - Addressing checkstyle violations. NIFI-655: - Moving to token api to web-api. - Creating an LoginProvider API for user/pass based authentication. - Creating a module for funneling access to the authorized users. NIFI-655: - Moving away from usage of DN to identity throughout the application (from the user db to the authorization provider). - Updating the authorized users schema to support login users. - Creating an extension point for authentication of users based on username/password. NIFI-655: - Creating an endpoint for returning the identity of the current user. - Updating the LoginAuthenticationFilter. NIFI-655: - Moving NiFi registration to the login page. - Running the authentication filters in a different order to ensure we can disambiguate each case. - Starting to layout each case... Forbidden, Login, Create User, Create NiFi Account. NIFI-655: - Addressing checkstyle issues. NIFI-655: - Making nf-storage available in the login page. - Requiring use of local storage. - Ignoring security for GET requests when obtaining the login configuration. NIFI-655: - Adding a new endpoint to obtain the status of a user registration. - Updated the login page loading to ensure all possible states work. NIFI-655: - Ensuring we know the necessary state before we attempt to render the login page. - Building the proxy chain in the JWT authentication filter. - Only rendering the login when appropriate. NIFI-655: - Starting to style the login page. - Added simple 'login' support by identifying username/password. Issuing JWT token coming... - Added logout support - Rendering the username when appropriate. NIFI-655: - Extracting certificate validation into a utility class. - Fixing checkstyle issues. - Cleaning up the web security context. - Removing proxy chain checking where possible. NIFI-655: - Starting to add support for registration. - Creating registration form. NIFI-655: - Starting to implement the JWT service. - Parsing JWT on client side in order to render who the user currently is when logged in. NIFI-655: - Allowing the user to link back to the log in page from the new account page. - Renaming DN to identity where possible. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding more/better support for logging out. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding a few new exceptions for the login identity provider. NIFI-655: - Disabling log in by default initially. - Restoring authorization service unit test. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Updating packages for log in filters. - Handling new registration exceptions. - Code clean up. NIFI-655: - Removing registration support. - Removing file based implementation. NIFI-655: - Removing file based implementation. NIFI-655: - Removing unused spring configuration files. NIFI-655: - Making the auto wiring more explicit. NIFI-655: - Removing unused dependencies. NIFI-655: - Removing unused filter. NIFI-655: - Updating the login API authenticate method to use a richer set of exceptions. - UI code clean. NIFI-655: - Ensuring the login identity provider is able to switch context classloaders via the standard NAR mechanisms. NIFI-655: - Initial commit of the LDAP based identity providers. - Fixed issue when attempting to log into a NiFi that does not support new account requests. NIFI-655: - Allowing the ldap provider to specify if client authentication is required/desired. NIFI-655: - Persisting keys to sign user tokens. - Allowing the identity provider to specify the token expiration. - Code clean up. NIFI-655: - Ensuring identities are unique in the key table. NIFI-655: - Adding support for specifying the user search base and user search

filter in the active directory provider. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding automatic client side token renewal. NIFI-655: - Ensuring the logout link is rendered when appropriate. NIFI-655: - Adding configuration options for referrals and connect/read timeouts NIFI-655: - Added an endpoint for access details including configuration, creating tokens, and checking status. - Updated DTOs and client side to utilize new endpoints. NIFI-655: - Refactoring certificate extraction and validation. - Refactoring how expiration is specified in the login identity providers. - Adding unit tests for the access endpoints. - Code clean up. NIFI-655: - Keeping token expiration between 1 minute and 12 hours. NIFI-655: - Using the user identity provided by the login identity provider. NIFI-655: - Fixed typo in error message for unrecognized authentication strategy. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added logback-test.xml configuration resource for nifi-web-security. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added issuer field to LoginAuthenticationToken. - Updated AccessResource to pass identity provider class name when creating LoginAuthenticationTokens. - Began refactoring JWT logic from request parsing logic in JwtService. - Added unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Changed issuer field to use FQ class name because some classes return an empty string for getSimpleName(). - Finished refactoring JWT logic from request parsing logic in JwtService. - Updated AccessResource and JwtAuthenticationFilter to call new JwtService methods decoupled from request header parsing. - Added extensive unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Refactoring key service to expose the key id. - Handling client side expiration better. - Removing specialized active directory provider and abstract ldap provider. NIFI-655. - Updated JwtService and JwtServiceTest to use Key POJO instead of raw String key from KeyService. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Fixing typo when loading the ldap connect timeout. - Providing a better experience for session expiration. - Using ellipsis for lengthy user name. - Adding an issuer to the authentication response so the LIP can specify the appropriate value. NIFI-655: - Showing a logging in notification during the log in process. NIFI-655: - Removing unnecessary class. NIFI-655: - Fixing checkstyle issues. - Showing the progress spinner while submitting account justification. NIFI-655: - Removing deprecated authentication strategy. - Renaming TLS to START_TLS. - Allowing the protocol to be configured. NIFI-655: - Fixing issue detecting the presence of DN column NIFI-655: - Pre-populating the login-identity-providers.xml file with necessary properties and documentation. - Renaming the Authentication Duration property name. NIFI-655: - Updating documentation for the failure response codes. NIFI-655: - Ensuring the user identity is not too long. NIFI-655: - Updating default authentication expiration to 12 hours. NIFI-655: - Remaining on the login form when there is any unsuccessful login attempt. - Fixing checkstyle issues.

109. Commit aaf14c45c96077c0075af8f3442e392b717244c1 in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=aaf14c4>] NIFI-655: - Refactoring web security to use Spring Security Java Configuration. - Introducing security in Web UI in order to get JWT. NIFI-655: - Setting up the resources (js/css) for the login page. NIFI-655: - Adding support for configuring anonymous roles. - Addressing checkstyle violations. NIFI-655: - Moving to token api to web-api. - Creating an LoginProvider API for user/pass based authentication. - Creating a module for funneling access to the authorized users. NIFI-655: - Moving away from usage of DN to identity throughout the application (from the user db to the authorization provider). - Updating the authorized users schema to support login users. - Creating an extension point for authentication of users based on username/password. NIFI-655: - Creating an endpoint for returning the identity of the current user. - Updating the LoginAuthenticationFilter. NIFI-655: - Moving NiFi registration to the login page. - Running the authentication filters in a different order to ensure we can disambiguate each case. - Starting to layout each case... Forbidden, Login, Create User, Create NiFi Account. NIFI-655: - Addressing checkstyle issues. NIFI-655: - Making nf-storage available in the login page. - Requiring use of local storage. - Ignoring security for GET requests when obtaining the login configuration. NIFI-655: - Adding a new endpoint to obtain the status of a user registration. - Updated the login page loading to ensure all possible states work. NIFI-655: - Ensuring we know the necessary state before we attempt to render the login page. - Building the proxy chain in the JWT authentication filter. - Only rendering the login when appropriate. NIFI-655: - Starting to style the login page. - Added simple 'login' support by identifying username/password. Issuing JWT token coming... - Added logout support - Rendering the username when appropriate. NIFI-655: - Extracting certificate validation into a utility class. - Fixing checkstyle issues. - Cleaning up the web security context. - Removing proxy chain checking where possible. NIFI-655: - Starting to add support for registration. - Creating registration form. NIFI-655: - Starting to implement the JWT service. - Parsing JWT on client side in order to render who the user currently is when logged in. NIFI-655: - Allowing the user to link back to the log in page from the new account page. - Renaming DN to identity where possible. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding more/better support for logging out. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding a few new exceptions for the

login identity provider. NIFI-655: - Disabling log in by default initially. - Restoring authorization service unit test. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Updating packages for log in filters. - Handling new registration exceptions. - Code clean up. NIFI-655: - Removing registration support. - Removing file based implementation. NIFI-655: - Removing file based implementation. NIFI-655: - Removing unused spring configuration files. NIFI-655: - Making the auto wiring more explicit. NIFI-655: - Removing unused dependencies. NIFI-655: - Removing unused filter. NIFI-655: - Updating the login API authenticate method to use a richer set of exceptions. - UI code clean. NIFI-655: - Ensuring the login identity provider is able to switch context classloaders via the standard NAR mechanisms. NIFI-655: - Initial commit of the LDAP based identity providers. - Fixed issue when attempting to log into a NiFi that does not support new account requests. NIFI-655: - Allowing the ldap provider to specify if client authentication is required/desired. NIFI-655: - Persisting keys to sign user tokens. - Allowing the identity provider to specify the token expiration. - Code clean up. NIFI-655: - Ensuring identities are unique in the key table. NIFI-655: - Adding support for specifying the user search base and user search filter in the active directory provider. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding automatic client side token renewal. NIFI-655: - Ensuring the logout link is rendered when appropriate. NIFI-655: - Adding configuration options for referrals and connect/read timeouts NIFI-655: - Added an endpoint for access details including configuration, creating tokens, and checking status. - Updated DTOs and client side to utilize new endpoints. NIFI-655: - Refactoring certificate extraction and validation. - Refactoring how expiration is specified in the login identity providers. - Adding unit tests for the access endpoints. - Code clean up. NIFI-655: - Keeping token expiration between 1 minute and 12 hours. NIFI-655: - Using the user identity provided by the login identity provider. NIFI-655: - Fixed typo in error message for unrecognized authentication strategy. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added logback-test.xml configuration resource for nifi-web-security. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added issuer field to LoginAuthenticationToken. - Updated AccessResource to pass identity provider class name when creating LoginAuthenticationTokens. - Began refactoring JWT logic from request parsing logic in JwtService. - Added unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Changed issuer field to use FQ class name because some classes return an empty string for getSimpleName(). - Finished refactoring JWT logic from request parsing logic in JwtService. - Updated AccessResource and JwtAuthenticationFilter to call new JwtService methods decoupled from request header parsing. - Added extensive unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Refactoring key service to expose the key id. - Handling client side expiration better. - Removing specialized active directory provider and abstract ldap provider. NIFI-655. - Updated JwtService and JwtServiceTest to use Key POJO instead of raw String key from KeyService. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Fixing typo when loading the ldap connect timeout. - Providing a better experience for session expiration. - Using ellipsis for lengthy user name. - Adding an issuer to the authentication response so the LIP can specify the appropriate value. NIFI-655: - Showing a logging in notification during the log in process. NIFI-655: - Removing unnecessary class. NIFI-655: - Fixing checkstyle issues. - Showing the progress spinner while submitting account justification. NIFI-655: - Removing deprecated authentication strategy. - Renaming TLS to START_TLS. - Allowing the protocol to be configured. NIFI-655: - Fixing issue detecting the presence of DN column NIFI-655: - Pre-populating the login-identity-providers.xml file with necessary properties and documentation. - Renaming the Authentication Duration property name. NIFI-655: - Updating documentation for the failure response codes. NIFI-655: - Ensuring the user identity is not too long. NIFI-655: - Updating default authentication expiration to 12 hours. NIFI-655: - Remaining on the login form when there is any unsuccessful login attempt. - Fixing checkstyle issues.

110. Commit aaf14c45c96077c0075af8f3442e392b717244c1 in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=aaf14c4>] NIFI-655: - Refactoring web security to use Spring Security Java Configuration. - Introducing security in Web UI in order to get JWT. NIFI-655: - Setting up the resources (js/css) for the login page. NIFI-655: - Adding support for configuring anonymous roles. - Addressing checkstyle violations. NIFI-655: - Moving to token api to web-api. - Creating an LoginProvider API for user/pass based authentication. - Creating a module for funneling access to the authorized users. NIFI-655: - Moving away from usage of DN to identity throughout the application (from the user db to the authorization provider). - Updating the authorized users schema to support login users. - Creating an extension point for authentication of users based on username/password. NIFI-655: - Creating an endpoint for returning the identity of the current user. - Updating the LoginAuthenticationFilter. NIFI-655: - Moving NiFi registration to the login page. - Running the authentication filters in a different order to ensure we can disambiguate each case. - Starting to layout each case... Forbidden, Login, Create User, Create NiFi Account. NIFI-655: - Addressing checkstyle issues. NIFI-655: - Making nf-storage available in the login page. - Requiring use of local

storage. - Ignoring security for GET requests when obtaining the login configuration. NIFI-655: - Adding a new endpoint to obtain the status of a user registration. - Updated the login page loading to ensure all possible states work. NIFI-655: - Ensuring we know the necessary state before we attempt to render the login page. - Building the proxy chain in the JWT authentication filter. - Only rendering the login when appropriate. NIFI-655: - Starting to style the login page. - Added simple 'login' support by identifying username/password. Issuing JWT token coming... - Added logout support - Rendering the username when appropriate. NIFI-655: - Extracting certificate validation into a utility class. - Fixing checkstyle issues. - Cleaning up the web security context. - Removing proxy chain checking where possible. NIFI-655: - Starting to add support for registration. - Creating registration form. NIFI-655: - Starting to implement the JWT service. - Parsing JWT on client side in order to render who the user currently is when logged in. NIFI-655: - Allowing the user to link back to the log in page from the new account page. - Renaming DN to identity where possible. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding more/better support for logging out. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding a few new exceptions for the login identity provider. NIFI-655: - Disabling log in by default initially. - Restoring authorization service unit test. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Updating packages for log in filters. - Handling new registration exceptions. - Code clean up. NIFI-655: - Removing registration support. - Removing file based implementation. NIFI-655: - Removing file based implementation. NIFI-655: - Removing unused spring configuration files. NIFI-655: - Making the auto wiring more explicit. NIFI-655: - Removing unused dependencies. NIFI-655: - Removing unused filter. NIFI-655: - Updating the login API authenticate method to use a richer set of exceptions. - UI code clean. NIFI-655: - Ensuring the login identity provider is able to switch context classloaders via the standard NAR mechanisms. NIFI-655: - Initial commit of the LDAP based identity providers. - Fixed issue when attempting to log into a NiFi that does not support new account requests. NIFI-655: - Allowing the ldap provider to specify if client authentication is required/desired. NIFI-655: - Persisting keys to sign user tokens. - Allowing the identity provider to specify the token expiration. - Code clean up. NIFI-655: - Ensuring identities are unique in the key table. NIFI-655: - Adding support for specifying the user search base and user search filter in the active directory provider. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding automatic client side token renewal. NIFI-655: - Ensuring the logout link is rendered when appropriate. NIFI-655: - Adding configuration options for referrals and connect/read timeouts NIFI-655: - Added an endpoint for access details including configuration, creating tokens, and checking status. - Updated DTOs and client side to utilize new endpoints. NIFI-655: - Refactoring certificate extraction and validation. - Refactoring how expiration is specified in the login identity providers. - Adding unit tests for the access endpoints. - Code clean up. NIFI-655: - Keeping token expiration between 1 minute and 12 hours. NIFI-655: - Using the user identity provided by the login identity provider. NIFI-655: - Fixed typo in error message for unrecognized authentication strategy. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added logback-test.xml configuration resource for nifi-web-security. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added issuer field to LoginAuthenticationToken. - Updated AccessResource to pass identity provider class name when creating LoginAuthenticationTokens. - Began refactoring JWT logic from request parsing logic in JwtService. - Added unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Changed issuer field to use FQ class name because some classes return an empty string for getSimpleName(). - Finished refactoring JWT logic from request parsing logic in JwtService. - Updated AccessResource and JwtAuthenticationFilter to call new JwtService methods decoupled from request header parsing. - Added extensive unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Refactoring key service to expose the key id. - Handling client side expiration better. - Removing specialized active directory provider and abstract ldap provider. NIFI-655. - Updated JwtService and JwtServiceTest to use Key POJO instead of raw String key from KeyService. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Fixing typo when loading the ldap connect timeout. - Providing a better experience for session expiration. - Using ellipsis for lengthy user name. - Adding an issuer to the authentication response so the LIP can specify the appropriate value. NIFI-655: - Showing a logging in notification during the log in process. NIFI-655: - Removing unnecessary class. NIFI-655: - Fixing checkstyle issues. - Showing the progress spinner while submitting account justification. NIFI-655: - Removing deprecated authentication strategy. - Renaming TLS to START_TLS. - Allowing the protocol to be configured. NIFI-655: - Fixing issue detecting the presence of DN column NIFI-655: - Pre-populating the login-identity-providers.xml file with necessary properties and documentation. - Renaming the Authentication Duration property name. NIFI-655: - Updating documentation for the failure response codes. NIFI-655: - Ensuring the user identity is not too long. NIFI-655: - Updating default authentication expiration to 12 hours. NIFI-655: - Remaining on the login form when there is any unsuccessful login attempt. - Fixing checkstyle issues.

111. Commit aaf14c45c96077c0075af8f3442e392b717244c1 in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=aaf14c4>] NIFI-655: - Refactoring web security to use Spring Security Java Configuration. - Introducing security in Web UI in order to get JWT. NIFI-655: - Setting up the resources (js/css) for the login page. NIFI-655: - Adding support for configuring anonymous roles. - Addressing checkstyle violations. NIFI-655: - Moving to token api to web-api. - Creating an LoginProvider API for user/pass based authentication. - Creating a module for funneling access to the authorized users. NIFI-655: - Moving away from usage of DN to identity throughout the application (from the user db to the authorization provider). - Updating the authorized users schema to support login users. - Creating an extension point for authentication of users based on username/password. NIFI-655: - Creating an endpoint for returning the identity of the current user. - Updating the LoginAuthenticationFilter. NIFI-655: - Moving NiFi registration to the login page. - Running the authentication filters in a different order to ensure we can disambiguate each case. - Starting to layout each case... Forbidden, Login, Create User, Create NiFi Account. NIFI-655: - Addressing checkstyle issues. NIFI-655: - Making nf-storage available in the login page. - Requiring use of local storage. - Ignoring security for GET requests when obtaining the login configuration. NIFI-655: - Adding a new endpoint to obtain the status of a user registration. - Updated the login page loading to ensure all possible states work. NIFI-655: - Ensuring we know the necessary state before we attempt to render the login page. - Building the proxy chain in the JWT authentication filter. - Only rendering the login when appropriate. NIFI-655: - Starting to style the login page. - Added simple 'login' support by identifying username/password. Issuing JWT token coming... - Added logout support - Rendering the username when appropriate. NIFI-655: - Extracting certificate validation into a utility class. - Fixing checkstyle issues. - Cleaning up the web security context. - Removing proxy chain checking where possible. NIFI-655: - Starting to add support for registration. - Creating registration form. NIFI-655: - Starting to implement the JWT service. - Parsing JWT on client side in order to render who the user currently is when logged in. NIFI-655: - Allowing the user to link back to the log in page from the new account page. - Renaming DN to identity where possible. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding more/better support for logging out. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding a few new exceptions for the login identity provider. NIFI-655: - Disabling log in by default initially. - Restoring authorization service unit test. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Updating packages for log in filters. - Handling new registration exceptions. - Code clean up. NIFI-655: - Removing registration support. - Removing file based implementation. NIFI-655: - Removing file based implementation. NIFI-655: - Removing unused spring configuration files. NIFI-655: - Making the auto wiring more explicit. NIFI-655: - Removing unused dependencies. NIFI-655: - Removing unused filter. NIFI-655: - Updating the login API authenticate method to use a richer set of exceptions. - UI code clean. NIFI-655: - Ensuring the login identity provider is able to switch context classloaders via the standard NAR mechanisms. NIFI-655: - Initial commit of the LDAP based identity providers. - Fixed issue when attempting to log into a NiFi that does not support new account requests. NIFI-655: - Allowing the ldap provider to specify if client authentication is required/desired. NIFI-655: - Persisting keys to sign user tokens. - Allowing the identity provider to specify the token expiration. - Code clean up. NIFI-655: - Ensuring identities are unique in the key table. NIFI-655: - Adding support for specifying the user search base and user search filter in the active directory provider. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding automatic client side token renewal. NIFI-655: - Ensuring the logout link is rendered when appropriate. NIFI-655: - Adding configuration options for referrals and connect/read timeouts NIFI-655: - Added an endpoint for access details including configuration, creating tokens, and checking status. - Updated DTOs and client side to utilize new endpoints. NIFI-655: - Refactoring certificate extraction and validation. - Refactoring how expiration is specified in the login identity providers. - Adding unit tests for the access endpoints. - Code clean up. NIFI-655: - Keeping token expiration between 1 minute and 12 hours. NIFI-655: - Using the user identity provided by the login identity provider. NIFI-655: - Fixed typo in error message for unrecognized authentication strategy. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added logback-test.xml configuration resource for nifi-web-security. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added issuer field to LoginAuthenticationToken. - Updated AccessResource to pass identity provider class name when creating LoginAuthenticationTokens. - Began refactoring JWT logic from request parsing logic in JwtService. - Added unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Changed issuer field to use FQ class name because some classes return an empty string for getSimpleName(). - Finished refactoring JWT logic from request parsing logic in JwtService. - Updated AccessResource and JwtAuthenticationFilter to call new JwtService methods decoupled from request header parsing. - Added extensive unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Refactoring key service to expose the key id. - Handling client side expiration better. - Removing specialized active directory provider and

abstract ldap provider. NIFI-655: - Updated JwtService and JwtServiceTest to use Key POJO instead of raw String key from KeyService. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Fixing typo when loading the ldap connect timeout. - Providing a better experience for session expiration. - Using ellipsis for lengthy user name. - Adding an issuer to the authentication response so the LIP can specify the appropriate value. NIFI-655: - Showing a logging in notification during the log in process. NIFI-655: - Removing unnecessary class. NIFI-655: - Fixing checkstyle issues. - Showing the progress spinner while submitting account justification. NIFI-655: - Removing deprecated authentication strategy. - Renaming TLS to START_TLS. - Allowing the protocol to be configured. NIFI-655: - Fixing issue detecting the presence of DN column NIFI-655: - Pre-populating the login-identity-providers.xml file with necessary properties and documentation. - Renaming the Authentication Duration property name. NIFI-655: - Updating documentation for the failure response codes. NIFI-655: - Ensuring the user identity is not too long. NIFI-655: - Updating default authentication expiration to 12 hours. NIFI-655: - Remaining on the login form when there is any unsuccessful login attempt. - Fixing checkstyle issues.

112. Commit aaf14c45c96077c0075af8f3442e392b717244c1 in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=aaf14c4>] NIFI-655: - Refactoring web security to use Spring Security Java Configuration. - Introducing security in Web UI in order to get JWT. NIFI-655: - Setting up the resources (js/css) for the login page. NIFI-655: - Adding support for configuring anonymous roles. - Addressing checkstyle violations. NIFI-655: - Moving to token api to web-api. - Creating an LoginProvider API for user/pass based authentication. - Creating a module for funneling access to the authorized users. NIFI-655: - Moving away from usage of DN to identity throughout the application (from the user db to the authorization provider). - Updating the authorized users schema to support login users. - Creating an extension point for authentication of users based on username/password. NIFI-655: - Creating an endpoint for returning the identity of the current user. - Updating the LoginAuthenticationFilter. NIFI-655: - Moving NiFi registration to the login page. - Running the authentication filters in a different order to ensure we can disambiguate each case. - Starting to layout each case... Forbidden, Login, Create User, Create NiFi Account. NIFI-655: - Addressing checkstyle issues. NIFI-655: - Making nf-storage available in the login page. - Requiring use of local storage. - Ignoring security for GET requests when obtaining the login configuration. NIFI-655: - Adding a new endpoint to obtain the status of a user registration. - Updated the login page loading to ensure all possible states work. NIFI-655: - Ensuring we know the necessary state before we attempt to render the login page. - Building the proxy chain in the JWT authentication filter. - Only rendering the login when appropriate. NIFI-655: - Starting to style the login page. - Added simple 'login' support by identifying username/password. Issuing JWT token coming... - Added logout support - Rendering the username when appropriate. NIFI-655: - Extracting certificate validation into a utility class. - Fixing checkstyle issues. - Cleaning up the web security context. - Removing proxy chain checking where possible. NIFI-655: - Starting to add support for registration. - Creating registration form. NIFI-655: - Starting to implement the JWT service. - Parsing JWT on client side in order to render who the user currently is when logged in. NIFI-655: - Allowing the user to link back to the log in page from the new account page. - Renaming DN to identity where possible. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding more/better support for logging out. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding a few new exceptions for the login identity provider. NIFI-655: - Disabling log in by default initially. - Restoring authorization service unit test. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Updating packages for log in filters. - Handling new registration exceptions. - Code clean up. NIFI-655: - Removing registration support. - Removing file based implementation. NIFI-655: - Removing file based implementation. NIFI-655: - Removing unused spring configuration files. NIFI-655: - Making the auto wiring more explicit. NIFI-655: - Removing unused dependencies. NIFI-655: - Removing unused filter. NIFI-655: - Updating the login API authenticate method to use a richer set of exceptions. - UI code clean. NIFI-655: - Ensuring the login identity provider is able to switch context classloaders via the standard NAR mechanisms. NIFI-655: - Initial commit of the LDAP based identity providers. - Fixed issue when attempting to log into a NiFi that does not support new account requests. NIFI-655: - Allowing the ldap provider to specify if client authentication is required/desired. NIFI-655: - Persisting keys to sign user tokens. - Allowing the identity provider to specify the token expiration. - Code clean up. NIFI-655: - Ensuring identities are unique in the key table. NIFI-655: - Adding support for specifying the user search base and user search filter in the active directory provider. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding automatic client side token renewal. NIFI-655: - Ensuring the logout link is rendered when appropriate. NIFI-655: - Adding configuration options for referrals and connect/read timeouts NIFI-655: - Added an endpoint for access details including configuration, creating tokens, and checking status. - Updated DTOs and client side to utilize new endpoints. NIFI-655: - Refactoring certificate extraction and validation. - Refactoring how expiration is specified in the login identity providers. - Adding unit tests for the access endpoints. -

Code clean up. NIFI-655: - Keeping token expiration between 1 minute and 12 hours. NIFI-655: - Using the user identity provided by the login identity provider. NIFI-655: - Fixed typo in error message for unrecognized authentication strategy. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added logback-test.xml configuration resource for nifi-web-security. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added issuer field to LoginAuthenticationToken. - Updated AccessResource to pass identity provider class name when creating LoginAuthenticationTokens. - Began refactoring JWT logic from request parsing logic in JwtService. - Added unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Changed issuer field to use FQ class name because some classes return an empty string for getSimpleName(). - Finished refactoring JWT logic from request parsing logic in JwtService. - Updated AccessResource and JwtAuthenticationFilter to call new JwtService methods decoupled from request header parsing. - Added extensive unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Refactoring key service to expose the key id. - Handling client side expiration better. - Removing specialized active directory provider and abstract ldap provider. NIFI-655. - Updated JwtService and JwtServiceTest to use Key POJO instead of raw String key from KeyService. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Fixing typo when loading the ldap connect timeout. - Providing a better experience for session expiration. - Using ellipsis for lengthy user name. - Adding an issuer to the authentication response so the LIP can specify the appropriate value. NIFI-655: - Showing a logging in notification during the log in process. NIFI-655: - Removing unnecessary class. NIFI-655: - Fixing checkstyle issues. - Showing the progress spinner while submitting account justification. NIFI-655: - Removing deprecated authentication strategy. - Renaming TLS to START_TLS. - Allowing the protocol to be configured. NIFI-655: - Fixing issue detecting the presence of DN column NIFI-655: - Pre-populating the login-identity-providers.xml file with necessary properties and documentation. - Renaming the Authentication Duration property name. NIFI-655: - Updating documentation for the failure response codes. NIFI-655: - Ensuring the user identity is not too long. NIFI-655: - Updating default authentication expiration to 12 hours. NIFI-655: - Remaining on the login form when there is any unsuccessful login attempt. - Fixing checkstyle issues.

113. Commit aaf14c45c96077c0075af8f3442e392b717244c1 in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=aaf14c4>] NIFI-655: - Refactoring web security to use Spring Security Java Configuration. - Introducing security in Web UI in order to get JWT. NIFI-655: - Setting up the resources (js/css) for the login page. NIFI-655: - Adding support for configuring anonymous roles. - Addressing checkstyle violations. NIFI-655: - Moving to token api to web-api. - Creating an LoginProvider API for user/pass based authentication. - Creating a module for funneling access to the authorized users. NIFI-655: - Moving away from usage of DN to identity throughout the application (from the user db to the authorization provider). - Updating the authorized users schema to support login users. - Creating an extension point for authentication of users based on username/password. NIFI-655: - Creating an endpoint for returning the identity of the current user. - Updating the LoginAuthenticationFilter. NIFI-655: - Moving NiFi registration to the login page. - Running the authentication filters in a different order to ensure we can disambiguate each case. - Starting to layout each case... Forbidden, Login, Create User, Create NiFi Account. NIFI-655: - Addressing checkstyle issues. NIFI-655: - Making nf-storage available in the login page. - Requiring use of local storage. - Ignoring security for GET requests when obtaining the login configuration. NIFI-655: - Adding a new endpoint to obtain the status of a user registration. - Updated the login page loading to ensure all possible states work. NIFI-655: - Ensuring we know the necessary state before we attempt to render the login page. - Building the proxy chain in the JWT authentication filter. - Only rendering the login when appropriate. NIFI-655: - Starting to style the login page. - Added simple 'login' support by identifying username/password. Issuing JWT token coming... - Added logout support - Rendering the username when appropriate. NIFI-655: - Extracting certificate validation into a utility class. - Fixing checkstyle issues. - Cleaning up the web security context. - Removing proxy chain checking where possible. NIFI-655: - Starting to add support for registration. - Creating registration form. NIFI-655: - Starting to implement the JWT service. - Parsing JWT on client side in order to render who the user currently is when logged in. NIFI-655: - Allowing the user to link back to the log in page from the new account page. - Renaming DN to identity where possible. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding more/better support for logging out. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding a few new exceptions for the login identity provider. NIFI-655: - Disabling log in by default initially. - Restoring authorization service unit test. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Updating packages for log in filters. - Handling new registration exceptions. - Code clean up. NIFI-655: - Removing registration support. - Removing file based implementation. NIFI-655: - Removing file based implementation. NIFI-655: - Removing unused spring configuration files. NIFI-655: - Making the auto wiring more explicit. NIFI-655: - Removing unused dependencies. NIFI-655: - Removing unused filter. NIFI-655: - Updating the

login API authenticate method to use a richer set of exceptions. - UI code clean. NIFI-655: - Ensuring the login identity provider is able to switch context classloaders via the standard NAR mechanisms. NIFI-655: - Initial commit of the LDAP based identity providers. - Fixed issue when attempting to log into a NiFi that does not support new account requests. NIFI-655: - Allowing the ldap provider to specify if client authentication is required/desired. NIFI-655: - Persisting keys to sign user tokens. - Allowing the identity provider to specify the token expiration. - Code clean up. NIFI-655: - Ensuring identities are unique in the key table. NIFI-655: - Adding support for specifying the user search base and user search filter in the active directory provider. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding automatic client side token renewal. NIFI-655: - Ensuring the logout link is rendered when appropriate. NIFI-655: - Adding configuration options for referrals and connect/read timeouts NIFI-655: - Added an endpoint for access details including configuration, creating tokens, and checking status. - Updated DTOs and client side to utilize new endpoints. NIFI-655: - Refactoring certificate extraction and validation. - Refactoring how expiration is specified in the login identity providers. - Adding unit tests for the access endpoints. - Code clean up. NIFI-655: - Keeping token expiration between 1 minute and 12 hours. NIFI-655: - Using the user identity provided by the login identity provider. NIFI-655: - Fixed typo in error message for unrecognized authentication strategy. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added logback-test.xml configuration resource for nifi-web-security. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added issuer field to LoginAuthenticationToken. - Updated AccessResource to pass identity provider class name when creating LoginAuthenticationTokens. - Began refactoring JWT logic from request parsing logic in JwtService. - Added unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Changed issuer field to use FQ class name because some classes return an empty string for getSimpleName(). - Finished refactoring JWT logic from request parsing logic in JwtService. - Updated AccessResource and JwtAuthenticationFilter to call new JwtService methods decoupled from request header parsing. - Added extensive unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Refactoring key service to expose the key id. - Handling client side expiration better. - Removing specialized active directory provider and abstract ldap provider. NIFI-655. - Updated JwtService and JwtServiceTest to use Key POJO instead of raw String key from KeyService. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Fixing typo when loading the ldap connect timeout. - Providing a better experience for session expiration. - Using ellipsis for lengthy user name. - Adding an issuer to the authentication response so the LIP can specify the appropriate value. NIFI-655: - Showing a logging in notification during the log in process. NIFI-655: - Removing unnecessary class. NIFI-655: - Fixing checkstyle issues. - Showing the progress spinner while submitting account justification. NIFI-655: - Removing deprecated authentication strategy. - Renaming TLS to START_TLS. - Allowing the protocol to be configured. NIFI-655: - Fixing issue detecting the presence of DN column NIFI-655: - Pre-populating the login-identity-providers.xml file with necessary properties and documentation. - Renaming the Authentication Duration property name. NIFI-655: - Updating documentation for the failure response codes. NIFI-655: - Ensuring the user identity is not too long. NIFI-655: - Updating default authentication expiration to 12 hours. NIFI-655: - Remaining on the login form when there is any unsuccessful login attempt. - Fixing checkstyle issues.

114. Commit aaf14c45c96077c0075af8f3442e392b717244c1 in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=aaf14c4>] NIFI-655: - Refactoring web security to use Spring Security Java Configuration. - Introducing security in Web UI in order to get JWT. NIFI-655: - Setting up the resources (js/css) for the login page. NIFI-655: - Adding support for configuring anonymous roles. - Addressing checkstyle violations. NIFI-655: - Moving to token api to web-api. - Creating an LoginProvider API for user/pass based authentication. - Creating a module for funneling access to the authorized users. NIFI-655: - Moving away from usage of DN to identity throughout the application (from the user db to the authorization provider). - Updating the authorized users schema to support login users. - Creating an extension point for authentication of users based on username/password. NIFI-655: - Creating an endpoint for returning the identity of the current user. - Updating the LoginAuthenticationFilter. NIFI-655: - Moving NiFi registration to the login page. - Running the authentication filters in a different order to ensure we can disambiguate each case. - Starting to layout each case... Forbidden, Login, Create User, Create NiFi Account. NIFI-655: - Addressing checkstyle issues. NIFI-655: - Making nf-storage available in the login page. - Requiring use of local storage. - Ignoring security for GET requests when obtaining the login configuration. NIFI-655: - Adding a new endpoint to obtain the status of a user registration. - Updated the login page loading to ensure all possible states work. NIFI-655: - Ensuring we know the necessary state before we attempt to render the login page. - Building the proxy chain in the JWT authentication filter. - Only rendering the login when appropriate. NIFI-655: - Starting to style the login page. - Added simple 'login' support by identifying username/password. Issuing JWT token coming... - Added logout support - Rendering the username when

appropriate. NIFI-655: - Extracting certificate validation into a utility class. - Fixing checkstyle issues. - Cleaning up the web security context. - Removing proxy chain checking where possible. NIFI-655: - Starting to add support for registration. - Creating registration form. NIFI-655: - Starting to implement the JWT service. - Parsing JWT on client side in order to render who the user currently is when logged in. NIFI-655: - Allowing the user to link back to the log in page from the new account page. - Renaming DN to identity where possible. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding more/better support for logging out. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding a few new exceptions for the login identity provider. NIFI-655: - Disabling log in by default initially. - Restoring authorization service unit test. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Updating packages for log in filters. - Handling new registration exceptions. - Code clean up. NIFI-655: - Removing registration support. - Removing file based implementation. NIFI-655: - Removing file based implementation. NIFI-655: - Removing unused spring configuration files. NIFI-655: - Making the auto wiring more explicit. NIFI-655: - Removing unused dependencies. NIFI-655: - Removing unused filter. NIFI-655: - Updating the login API authenticate method to use a richer set of exceptions. - UI code clean. NIFI-655: - Ensuring the login identity provider is able to switch context classloaders via the standard NAR mechanisms. NIFI-655: - Initial commit of the LDAP based identity providers. - Fixed issue when attempting to log into a NiFi that does not support new account requests. NIFI-655: - Allowing the ldap provider to specify if client authentication is required/desired. NIFI-655: - Persisting keys to sign user tokens. - Allowing the identity provider to specify the token expiration. - Code clean up. NIFI-655: - Ensuring identities are unique in the key table. NIFI-655: - Adding support for specifying the user search base and user search filter in the active directory provider. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding automatic client side token renewal. NIFI-655: - Ensuring the logout link is rendered when appropriate. NIFI-655: - Adding configuration options for referrals and connect/read timeouts NIFI-655: - Added an endpoint for access details including configuration, creating tokens, and checking status. - Updated DTOs and client side to utilize new endpoints. NIFI-655: - Refactoring certificate extraction and validation. - Refactoring how expiration is specified in the login identity providers. - Adding unit tests for the access endpoints. - Code clean up. NIFI-655: - Keeping token expiration between 1 minute and 12 hours. NIFI-655: - Using the user identity provided by the login identity provider. NIFI-655: - Fixed typo in error message for unrecognized authentication strategy. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added logback-test.xml configuration resource for nifi-web-security. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added issuer field to LoginAuthenticationToken. - Updated AccessResource to pass identity provider class name when creating LoginAuthenticationTokens. - Began refactoring JWT logic from request parsing logic in JwtService. - Added unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Changed issuer field to use FQ class name because some classes return an empty string for getSimpleName(). - Finished refactoring JWT logic from request parsing logic in JwtService. - Updated AccessResource and JwtAuthenticationFilter to call new JwtService methods decoupled from request header parsing. - Added extensive unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Refactoring key service to expose the key id. - Handling client side expiration better. - Removing specialized active directory provider and abstract ldap provider. NIFI-655. - Updated JwtService and JwtServiceTest to use Key POJO instead of raw String key from KeyService. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Fixing typo when loading the ldap connect timeout. - Providing a better experience for session expiration. - Using ellipsis for lengthy user name. - Adding an issuer to the authentication response so the LIP can specify the appropriate value. NIFI-655: - Showing a logging in notification during the log in process. NIFI-655: - Removing unnecessary class. NIFI-655: - Fixing checkstyle issues. - Showing the progress spinner while submitting account justification. NIFI-655: - Removing deprecated authentication strategy. - Renaming TLS to START_TLS. - Allowing the protocol to be configured. NIFI-655: - Fixing issue detecting the presence of DN column NIFI-655: - Pre-populating the login-identity-providers.xml file with necessary properties and documentation. - Renaming the Authentication Duration property name. NIFI-655: - Updating documentation for the failure response codes. NIFI-655: - Ensuring the user identity is not too long. NIFI-655: - Updating default authentication expiration to 12 hours. NIFI-655: - Remaining on the login form when there is any unsuccessful login attempt. - Fixing checkstyle issues.

115. Commit aaf14c45c96077c0075af8f3442e392b717244c1 in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=aaf14c4>] NIFI-655: - Refactoring web security to use Spring Security Java Configuration. - Introducing security in Web UI in order to get JWT. NIFI-655: - Setting up the resources (js/css) for the login page. NIFI-655: - Adding support for configuring anonymous roles. - Addressing checkstyle violations. NIFI-655: - Moving to token api to web-api. - Creating an LoginProvider API for user/pass based authentication. - Creating a module for funneling access to the authorized users. NIFI-655: - Moving away from usage of DN to identity

throughout the application (from the user db to the authorization provider). - Updating the authorized users schema to support login users. - Creating an extension point for authentication of users based on username/password. NIFI-655: - Creating an endpoint for returning the identity of the current user. - Updating the LoginAuthenticationFilter. NIFI-655: - Moving NiFi registration to the login page. - Running the authentication filters in a different order to ensure we can disambiguate each case. - Starting to layout each case... Forbidden, Login, Create User, Create NiFi Account. NIFI-655: - Addressing checkstyle issues. NIFI-655: - Making nf-storage available in the login page. - Requiring use of local storage. - Ignoring security for GET requests when obtaining the login configuration. NIFI-655: - Adding a new endpoint to obtain the status of a user registration. - Updated the login page loading to ensure all possible states work. NIFI-655: - Ensuring we know the necessary state before we attempt to render the login page. - Building the proxy chain in the JWT authentication filter. - Only rendering the login when appropriate. NIFI-655: - Starting to style the login page. - Added simple 'login' support by identifying username/password. Issuing JWT token coming... - Added logout support - Rendering the username when appropriate. NIFI-655: - Extracting certificate validation into a utility class. - Fixing checkstyle issues. - Cleaning up the web security context. - Removing proxy chain checking where possible. NIFI-655: - Starting to add support for registration. - Creating registration form. NIFI-655: - Starting to implement the JWT service. - Parsing JWT on client side in order to render who the user currently is when logged in. NIFI-655: - Allowing the user to link back to the log in page from the new account page. - Renaming DN to identity where possible. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding more/better support for logging out. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding a few new exceptions for the login identity provider. NIFI-655: - Disabling log in by default initially. - Restoring authorization service unit test. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Updating packages for log in filters. - Handling new registration exceptions. - Code clean up. NIFI-655: - Removing registration support. - Removing file based implementation. NIFI-655: - Removing file based implementation. NIFI-655: - Removing unused spring configuration files. NIFI-655: - Making the auto wiring more explicit. NIFI-655: - Removing unused dependencies. NIFI-655: - Removing unused filter. NIFI-655: - Updating the login API authenticate method to use a richer set of exceptions. - UI code clean. NIFI-655: - Ensuring the login identity provider is able to switch context classloaders via the standard NAR mechanisms. NIFI-655: - Initial commit of the LDAP based identity providers. - Fixed issue when attempting to log into a NiFi that does not support new account requests. NIFI-655: - Allowing the ldap provider to specify if client authentication is required/desired. NIFI-655: - Persisting keys to sign user tokens. - Allowing the identity provider to specify the token expiration. - Code clean up. NIFI-655: - Ensuring identities are unique in the key table. NIFI-655: - Adding support for specifying the user search base and user search filter in the active directory provider. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding automatic client side token renewal. NIFI-655: - Ensuring the logout link is rendered when appropriate. NIFI-655: - Adding configuration options for referrals and connect/read timeouts NIFI-655: - Added an endpoint for access details including configuration, creating tokens, and checking status. - Updated DTOs and client side to utilize new endpoints. NIFI-655: - Refactoring certificate extraction and validation. - Refactoring how expiration is specified in the login identity providers. - Adding unit tests for the access endpoints. - Code clean up. NIFI-655: - Keeping token expiration between 1 minute and 12 hours. NIFI-655: - Using the user identity provided by the login identity provider. NIFI-655: - Fixed typo in error message for unrecognized authentication strategy. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added logback-test.xml configuration resource for nifi-web-security. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added issuer field to LoginAuthenticationToken. - Updated AccessResource to pass identity provider class name when creating LoginAuthenticationTokens. - Began refactoring JWT logic from request parsing logic in JwtService. - Added unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Changed issuer field to use FQ class name because some classes return an empty string for getSimpleName(). - Finished refactoring JWT logic from request parsing logic in JwtService. - Updated AccessResource and JwtAuthenticationFilter to call new JwtService methods decoupled from request header parsing. - Added extensive unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Refactoring key service to expose the key id. - Handling client side expiration better. - Removing specialized active directory provider and abstract ldap provider. NIFI-655. - Updated JwtService and JwtServiceTest to use Key POJO instead of raw String key from KeyService. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Fixing typo when loading the ldap connect timeout. - Providing a better experience for session expiration. - Using ellipsis for lengthy user name. - Adding an issuer to the authentication response so the LIP can specify the appropriate value. NIFI-655: - Showing a logging in notification during the log in process. NIFI-655: - Removing unnecessary class. NIFI-655: - Fixing checkstyle issues. - Showing the progress spinner while submitting account justification. NIFI-655: - Removing deprecated authentication strategy.

- Renaming TLS to START_TLS. - Allowing the protocol to be configured. NIFI-655: - Fixing issue detecting the presence of DN column NIFI-655: - Pre-populating the login-identity-providers.xml file with necessary properties and documentation. - Renaming the Authentication Duration property name. NIFI-655: - Updating documentation for the failure response codes. NIFI-655: - Ensuring the user identity is not too long. NIFI-655: - Updating default authentication expiration to 12 hours. NIFI-655: - Remaining on the login form when there is any unsuccessful login attempt. - Fixing checkstyle issues.

116. Commit aaf14c45c96077c0075af8f3442e392b717244c1 in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=aaf14c4>] NIFI-655: - Refactoring web security to use Spring Security Java Configuration. - Introducing security in Web UI in order to get JWT. NIFI-655: - Setting up the resources (js/css) for the login page. NIFI-655: - Adding support for configuring anonymous roles. - Addressing checkstyle violations. NIFI-655: - Moving to token api to web-api. - Creating an LoginProvider API for user/pass based authentication. - Creating a module for funneling access to the authorized users. NIFI-655: - Moving away from usage of DN to identity throughout the application (from the user db to the authorization provider). - Updating the authorized users schema to support login users. - Creating an extension point for authentication of users based on username/password. NIFI-655: - Creating an endpoint for returning the identity of the current user. - Updating the LoginAuthenticationFilter. NIFI-655: - Moving NiFi registration to the login page. - Running the authentication filters in a different order to ensure we can disambiguate each case. - Starting to layout each case... Forbidden, Login, Create User, Create NiFi Account. NIFI-655: - Addressing checkstyle issues. NIFI-655: - Making nf-storage available in the login page. - Requiring use of local storage. - Ignoring security for GET requests when obtaining the login configuration. NIFI-655: - Adding a new endpoint to obtain the status of a user registration. - Updated the login page loading to ensure all possible states work. NIFI-655: - Ensuring we know the necessary state before we attempt to render the login page. - Building the proxy chain in the JWT authentication filter. - Only rendering the login when appropriate. NIFI-655: - Starting to style the login page. - Added simple 'login' support by identifying username/password. Issuing JWT token coming... - Added logout support - Rendering the username when appropriate. NIFI-655: - Extracting certificate validation into a utility class. - Fixing checkstyle issues. - Cleaning up the web security context. - Removing proxy chain checking where possible. NIFI-655: - Starting to add support for registration. - Creating registration form. NIFI-655: - Starting to implement the JWT service. - Parsing JWT on client side in order to render who the user currently is when logged in. NIFI-655: - Allowing the user to link back to the log in page from the new account page. - Renaming DN to identity where possible. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding more/better support for logging out. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding a few new exceptions for the login identity provider. NIFI-655: - Disabling log in by default initially. - Restoring authorization service unit test. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Updating packages for log in filters. - Handling new registration exceptions. - Code clean up. NIFI-655: - Removing registration support. - Removing file based implementation. NIFI-655: - Removing file based implementation. NIFI-655: - Removing unused spring configuration files. NIFI-655: - Making the auto wiring more explicit. NIFI-655: - Removing unused dependencies. NIFI-655: - Removing unused filter. NIFI-655: - Updating the login API authenticate method to use a richer set of exceptions. - UI code clean. NIFI-655: - Ensuring the login identity provider is able to switch context classloaders via the standard NAR mechanisms. NIFI-655: - Initial commit of the LDAP based identity providers. - Fixed issue when attempting to log into a NiFi that does not support new account requests. NIFI-655: - Allowing the ldap provider to specify if client authentication is required/desired. NIFI-655: - Persisting keys to sign user tokens. - Allowing the identity provider to specify the token expiration. - Code clean up. NIFI-655: - Ensuring identities are unique in the key table. NIFI-655: - Adding support for specifying the user search base and user search filter in the active directory provider. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding automatic client side token renewal. NIFI-655: - Ensuring the logout link is rendered when appropriate. NIFI-655: - Adding configuration options for referrals and connect/read timeouts NIFI-655: - Added an endpoint for access details including configuration, creating tokens, and checking status. - Updated DTOs and client side to utilize new endpoints. NIFI-655: - Refactoring certificate extraction and validation. - Refactoring how expiration is specified in the login identity providers. - Adding unit tests for the access endpoints. - Code clean up. NIFI-655: - Keeping token expiration between 1 minute and 12 hours. NIFI-655: - Using the user identity provided by the login identity provider. NIFI-655: - Fixed typo in error message for unrecognized authentication strategy. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added logback-test.xml configuration resource for nifi-web-security. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added issuer field to LoginAuthenticationToken. - Updated AccessResource to pass identity provider class name when creating LoginAuthenticationTokens. - Began refactoring JWT logic from request parsing logic in JwtService. - Added unit tests for JWT logic. Signed-

off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Changed issuer field to use FQ class name because some classes return an empty string for getSimpleName(). - Finished refactoring JWT logic from request parsing logic in JwtService. - Updated AccessResource and JwtAuthenticationFilter to call new JwtService methods decoupled from request header parsing. - Added extensive unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Refactoring key service to expose the key id. - Handling client side expiration better. - Removing specialized active directory provider and abstract ldap provider. NIFI-655. - Updated JwtService and JwtServiceTest to use Key POJO instead of raw String key from KeyService. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Fixing typo when loading the ldap connect timeout. - Providing a better experience for session expiration. - Using ellipsis for lengthy user name. - Adding an issuer to the authentication response so the LIP can specify the appropriate value. NIFI-655: - Showing a logging in notification during the log in process. NIFI-655: - Removing unnecessary class. NIFI-655: - Fixing checkstyle issues. - Showing the progress spinner while submitting account justification. NIFI-655: - Removing deprecated authentication strategy. - Renaming TLS to START_TLS. - Allowing the protocol to be configured. NIFI-655: - Fixing issue detecting the presence of DN column NIFI-655: - Pre-populating the login-identity-providers.xml file with necessary properties and documentation. - Renaming the Authentication Duration property name. NIFI-655: - Updating documentation for the failure response codes. NIFI-655: - Ensuring the user identity is not too long. NIFI-655: - Updating default authentication expiration to 12 hours. NIFI-655: - Remaining on the login form when there is any unsuccessful login attempt. - Fixing checkstyle issues.

117. Commit aaf14c45c96077c0075af8f3442e392b717244c1 in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=aaf14c4>] NIFI-655: - Refactoring web security to use Spring Security Java Configuration. - Introducing security in Web UI in order to get JWT. NIFI-655: - Setting up the resources (js/css) for the login page. NIFI-655: - Adding support for configuring anonymous roles. - Addressing checkstyle violations. NIFI-655: - Moving to token api to web-api. - Creating an LoginProvider API for user/pass based authentication. - Creating a module for funneling access to the authorized users. NIFI-655: - Moving away from usage of DN to identity throughout the application (from the user db to the authorization provider). - Updating the authorized users schema to support login users. - Creating an extension point for authentication of users based on username/password. NIFI-655: - Creating an endpoint for returning the identity of the current user. - Updating the LoginAuthenticationFilter. NIFI-655: - Moving NiFi registration to the login page. - Running the authentication filters in a different order to ensure we can disambiguate each case. - Starting to layout each case... Forbidden, Login, Create User, Create NiFi Account. NIFI-655: - Addressing checkstyle issues. NIFI-655: - Making nf-storage available in the login page. - Requiring use of local storage. - Ignoring security for GET requests when obtaining the login configuration. NIFI-655: - Adding a new endpoint to obtain the status of a user registration. - Updated the login page loading to ensure all possible states work. NIFI-655: - Ensuring we know the necessary state before we attempt to render the login page. - Building the proxy chain in the JWT authentication filter. - Only rendering the login when appropriate. NIFI-655: - Starting to style the login page. - Added simple 'login' support by identifying username/password. Issuing JWT token coming... - Added logout support - Rendering the username when appropriate. NIFI-655: - Extracting certificate validation into a utility class. - Fixing checkstyle issues. - Cleaning up the web security context. - Removing proxy chain checking where possible. NIFI-655: - Starting to add support for registration. - Creating registration form. NIFI-655: - Starting to implement the JWT service. - Parsing JWT on client side in order to render who the user currently is when logged in. NIFI-655: - Allowing the user to link back to the log in page from the new account page. - Renaming DN to identity where possible. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding more/better support for logging out. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding a few new exceptions for the login identity provider. NIFI-655: - Disabling log in by default initially. - Restoring authorization service unit test. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Updating packages for log in filters. - Handling new registration exceptions. - Code clean up. NIFI-655: - Removing registration support. - Removing file based implementation. NIFI-655: - Removing file based implementation. NIFI-655: - Removing unused spring configuration files. NIFI-655: - Making the auto wiring more explicit. NIFI-655: - Removing unused dependencies. NIFI-655: - Removing unused filter. NIFI-655: - Updating the login API authenticate method to use a richer set of exceptions. - UI code clean. NIFI-655: - Ensuring the login identity provider is able to switch context classloaders via the standard NAR mechanisms. NIFI-655: - Initial commit of the LDAP based identity providers. - Fixed issue when attempting to log into a NiFi that does not support new account requests. NIFI-655: - Allowing the ldap provider to specify if client authentication is required/desired. NIFI-655: - Persisting keys to sign user tokens. - Allowing the identity provider to specify the token expiration. - Code clean up. NIFI-655: - Ensuring identities are unique in the key table. NIFI-655: - Adding support for specifying the user search base and user search

filter in the active directory provider. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding automatic client side token renewal. NIFI-655: - Ensuring the logout link is rendered when appropriate. NIFI-655: - Adding configuration options for referrals and connect/read timeouts NIFI-655: - Added an endpoint for access details including configuration, creating tokens, and checking status. - Updated DTOs and client side to utilize new endpoints. NIFI-655: - Refactoring certificate extraction and validation. - Refactoring how expiration is specified in the login identity providers. - Adding unit tests for the access endpoints. - Code clean up. NIFI-655: - Keeping token expiration between 1 minute and 12 hours. NIFI-655: - Using the user identity provided by the login identity provider. NIFI-655: - Fixed typo in error message for unrecognized authentication strategy. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added logback-test.xml configuration resource for nifi-web-security. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added issuer field to LoginAuthenticationToken. - Updated AccessResource to pass identity provider class name when creating LoginAuthenticationTokens. - Began refactoring JWT logic from request parsing logic in JwtService. - Added unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Changed issuer field to use FQ class name because some classes return an empty string for getSimpleName(). - Finished refactoring JWT logic from request parsing logic in JwtService. - Updated AccessResource and JwtAuthenticationFilter to call new JwtService methods decoupled from request header parsing. - Added extensive unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Refactoring key service to expose the key id. - Handling client side expiration better. - Removing specialized active directory provider and abstract ldap provider. NIFI-655. - Updated JwtService and JwtServiceTest to use Key POJO instead of raw String key from KeyService. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Fixing typo when loading the ldap connect timeout. - Providing a better experience for session expiration. - Using ellipsis for lengthy user name. - Adding an issuer to the authentication response so the LIP can specify the appropriate value. NIFI-655: - Showing a logging in notification during the log in process. NIFI-655: - Removing unnecessary class. NIFI-655: - Fixing checkstyle issues. - Showing the progress spinner while submitting account justification. NIFI-655: - Removing deprecated authentication strategy. - Renaming TLS to START_TLS. - Allowing the protocol to be configured. NIFI-655: - Fixing issue detecting the presence of DN column NIFI-655: - Pre-populating the login-identity-providers.xml file with necessary properties and documentation. - Renaming the Authentication Duration property name. NIFI-655: - Updating documentation for the failure response codes. NIFI-655: - Ensuring the user identity is not too long. NIFI-655: - Updating default authentication expiration to 12 hours. NIFI-655: - Remaining on the login form when there is any unsuccessful login attempt. - Fixing checkstyle issues.

118. Commit aaf14c45c96077c0075af8f3442e392b717244c1 in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=aaf14c4>] NIFI-655: - Refactoring web security to use Spring Security Java Configuration. - Introducing security in Web UI in order to get JWT. NIFI-655: - Setting up the resources (js/css) for the login page. NIFI-655: - Adding support for configuring anonymous roles. - Addressing checkstyle violations. NIFI-655: - Moving to token api to web-api. - Creating an LoginProvider API for user/pass based authentication. - Creating a module for funneling access to the authorized users. NIFI-655: - Moving away from usage of DN to identity throughout the application (from the user db to the authorization provider). - Updating the authorized users schema to support login users. - Creating an extension point for authentication of users based on username/password. NIFI-655: - Creating an endpoint for returning the identity of the current user. - Updating the LoginAuthenticationFilter. NIFI-655: - Moving NiFi registration to the login page. - Running the authentication filters in a different order to ensure we can disambiguate each case. - Starting to layout each case... Forbidden, Login, Create User, Create NiFi Account. NIFI-655: - Addressing checkstyle issues. NIFI-655: - Making nf-storage available in the login page. - Requiring use of local storage. - Ignoring security for GET requests when obtaining the login configuration. NIFI-655: - Adding a new endpoint to obtain the status of a user registration. - Updated the login page loading to ensure all possible states work. NIFI-655: - Ensuring we know the necessary state before we attempt to render the login page. - Building the proxy chain in the JWT authentication filter. - Only rendering the login when appropriate. NIFI-655: - Starting to style the login page. - Added simple 'login' support by identifying username/password. Issuing JWT token coming... - Added logout support - Rendering the username when appropriate. NIFI-655: - Extracting certificate validation into a utility class. - Fixing checkstyle issues. - Cleaning up the web security context. - Removing proxy chain checking where possible. NIFI-655: - Starting to add support for registration. - Creating registration form. NIFI-655: - Starting to implement the JWT service. - Parsing JWT on client side in order to render who the user currently is when logged in. NIFI-655: - Allowing the user to link back to the log in page from the new account page. - Renaming DN to identity where possible. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding more/better support for logging out. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding a few new exceptions for the

login identity provider. NIFI-655: - Disabling log in by default initially. - Restoring authorization service unit test. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Updating packages for log in filters. - Handling new registration exceptions. - Code clean up. NIFI-655: - Removing registration support. - Removing file based implementation. NIFI-655: - Removing file based implementation. NIFI-655: - Removing unused spring configuration files. NIFI-655: - Making the auto wiring more explicit. NIFI-655: - Removing unused dependencies. NIFI-655: - Removing unused filter. NIFI-655: - Updating the login API authenticate method to use a richer set of exceptions. - UI code clean. NIFI-655: - Ensuring the login identity provider is able to switch context classloaders via the standard NAR mechanisms. NIFI-655: - Initial commit of the LDAP based identity providers. - Fixed issue when attempting to log into a NiFi that does not support new account requests. NIFI-655: - Allowing the ldap provider to specify if client authentication is required/desired. NIFI-655: - Persisting keys to sign user tokens. - Allowing the identity provider to specify the token expiration. - Code clean up. NIFI-655: - Ensuring identities are unique in the key table. NIFI-655: - Adding support for specifying the user search base and user search filter in the active directory provider. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding automatic client side token renewal. NIFI-655: - Ensuring the logout link is rendered when appropriate. NIFI-655: - Adding configuration options for referrals and connect/read timeouts NIFI-655: - Added an endpoint for access details including configuration, creating tokens, and checking status. - Updated DTOs and client side to utilize new endpoints. NIFI-655: - Refactoring certificate extraction and validation. - Refactoring how expiration is specified in the login identity providers. - Adding unit tests for the access endpoints. - Code clean up. NIFI-655: - Keeping token expiration between 1 minute and 12 hours. NIFI-655: - Using the user identity provided by the login identity provider. NIFI-655: - Fixed typo in error message for unrecognized authentication strategy. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added logback-test.xml configuration resource for nifi-web-security. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added issuer field to LoginAuthenticationToken. - Updated AccessResource to pass identity provider class name when creating LoginAuthenticationTokens. - Began refactoring JWT logic from request parsing logic in JwtService. - Added unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Changed issuer field to use FQ class name because some classes return an empty string for getSimpleName(). - Finished refactoring JWT logic from request parsing logic in JwtService. - Updated AccessResource and JwtAuthenticationFilter to call new JwtService methods decoupled from request header parsing. - Added extensive unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Refactoring key service to expose the key id. - Handling client side expiration better. - Removing specialized active directory provider and abstract ldap provider. NIFI-655. - Updated JwtService and JwtServiceTest to use Key POJO instead of raw String key from KeyService. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Fixing typo when loading the ldap connect timeout. - Providing a better experience for session expiration. - Using ellipsis for lengthy user name. - Adding an issuer to the authentication response so the LIP can specify the appropriate value. NIFI-655: - Showing a logging in notification during the log in process. NIFI-655: - Removing unnecessary class. NIFI-655: - Fixing checkstyle issues. - Showing the progress spinner while submitting account justification. NIFI-655: - Removing deprecated authentication strategy. - Renaming TLS to START_TLS. - Allowing the protocol to be configured. NIFI-655: - Fixing issue detecting the presence of DN column NIFI-655: - Pre-populating the login-identity-providers.xml file with necessary properties and documentation. - Renaming the Authentication Duration property name. NIFI-655: - Updating documentation for the failure response codes. NIFI-655: - Ensuring the user identity is not too long. NIFI-655: - Updating default authentication expiration to 12 hours. NIFI-655: - Remaining on the login form when there is any unsuccessful login attempt. - Fixing checkstyle issues.

119. Commit aaf14c45c96077c0075af8f3442e392b717244c1 in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=aaf14c4>] NIFI-655: - Refactoring web security to use Spring Security Java Configuration. - Introducing security in Web UI in order to get JWT. NIFI-655: - Setting up the resources (js/css) for the login page. NIFI-655: - Adding support for configuring anonymous roles. - Addressing checkstyle violations. NIFI-655: - Moving to token api to web-api. - Creating an LoginProvider API for user/pass based authentication. - Creating a module for funneling access to the authorized users. NIFI-655: - Moving away from usage of DN to identity throughout the application (from the user db to the authorization provider). - Updating the authorized users schema to support login users. - Creating an extension point for authentication of users based on username/password. NIFI-655: - Creating an endpoint for returning the identity of the current user. - Updating the LoginAuthenticationFilter. NIFI-655: - Moving NiFi registration to the login page. - Running the authentication filters in a different order to ensure we can disambiguate each case. - Starting to layout each case... Forbidden, Login, Create User, Create NiFi Account. NIFI-655: - Addressing checkstyle issues. NIFI-655: - Making nf-storage available in the login page. - Requiring use of local

storage. - Ignoring security for GET requests when obtaining the login configuration. NIFI-655: - Adding a new endpoint to obtain the status of a user registration. - Updated the login page loading to ensure all possible states work. NIFI-655: - Ensuring we know the necessary state before we attempt to render the login page. - Building the proxy chain in the JWT authentication filter. - Only rendering the login when appropriate. NIFI-655: - Starting to style the login page. - Added simple 'login' support by identifying username/password. Issuing JWT token coming... - Added logout support - Rendering the username when appropriate. NIFI-655: - Extracting certificate validation into a utility class. - Fixing checkstyle issues. - Cleaning up the web security context. - Removing proxy chain checking where possible. NIFI-655: - Starting to add support for registration. - Creating registration form. NIFI-655: - Starting to implement the JWT service. - Parsing JWT on client side in order to render who the user currently is when logged in. NIFI-655: - Allowing the user to link back to the log in page from the new account page. - Renaming DN to identity where possible. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding more/better support for logging out. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding a few new exceptions for the login identity provider. NIFI-655: - Disabling log in by default initially. - Restoring authorization service unit test. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Updating packages for log in filters. - Handling new registration exceptions. - Code clean up. NIFI-655: - Removing registration support. - Removing file based implementation. NIFI-655: - Removing file based implementation. NIFI-655: - Removing unused spring configuration files. NIFI-655: - Making the auto wiring more explicit. NIFI-655: - Removing unused dependencies. NIFI-655: - Removing unused filter. NIFI-655: - Updating the login API authenticate method to use a richer set of exceptions. - UI code clean. NIFI-655: - Ensuring the login identity provider is able to switch context classloaders via the standard NAR mechanisms. NIFI-655: - Initial commit of the LDAP based identity providers. - Fixed issue when attempting to log into a NiFi that does not support new account requests. NIFI-655: - Allowing the ldap provider to specify if client authentication is required/desired. NIFI-655: - Persisting keys to sign user tokens. - Allowing the identity provider to specify the token expiration. - Code clean up. NIFI-655: - Ensuring identities are unique in the key table. NIFI-655: - Adding support for specifying the user search base and user search filter in the active directory provider. NIFI-655: - Fixing checkstyle issues. NIFI-655: - Adding automatic client side token renewal. NIFI-655: - Ensuring the logout link is rendered when appropriate. NIFI-655: - Adding configuration options for referrals and connect/read timeouts NIFI-655: - Added an endpoint for access details including configuration, creating tokens, and checking status. - Updated DTOs and client side to utilize new endpoints. NIFI-655: - Refactoring certificate extraction and validation. - Refactoring how expiration is specified in the login identity providers. - Adding unit tests for the access endpoints. - Code clean up. NIFI-655: - Keeping token expiration between 1 minute and 12 hours. NIFI-655: - Using the user identity provided by the login identity provider. NIFI-655: - Fixed typo in error message for unrecognized authentication strategy. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added logback-test.xml configuration resource for nifi-web-security. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Added issuer field to LoginAuthenticationToken. - Updated AccessResource to pass identity provider class name when creating LoginAuthenticationTokens. - Began refactoring JWT logic from request parsing logic in JwtService. - Added unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655. - Changed issuer field to use FQ class name because some classes return an empty string for getSimpleName(). - Finished refactoring JWT logic from request parsing logic in JwtService. - Updated AccessResource and JwtAuthenticationFilter to call new JwtService methods decoupled from request header parsing. - Added extensive unit tests for JWT logic. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Refactoring key service to expose the key id. - Handling client side expiration better. - Removing specialized active directory provider and abstract ldap provider. NIFI-655. - Updated JwtService and JwtServiceTest to use Key POJO instead of raw String key from KeyService. Signed-off-by: Matt Gilman <matt.c.gilman@gmail.com> NIFI-655: - Fixing typo when loading the ldap connect timeout. - Providing a better experience for session expiration. - Using ellipsis for lengthy user name. - Adding an issuer to the authentication response so the LIP can specify the appropriate value. NIFI-655: - Showing a logging in notification during the log in process. NIFI-655: - Removing unnecessary class. NIFI-655: - Fixing checkstyle issues. - Showing the progress spinner while submitting account justification. NIFI-655: - Removing deprecated authentication strategy. - Renaming TLS to START_TLS. - Allowing the protocol to be configured. NIFI-655: - Fixing issue detecting the presence of DN column NIFI-655: - Pre-populating the login-identity-providers.xml file with necessary properties and documentation. - Renaming the Authentication Duration property name. NIFI-655: - Updating documentation for the failure response codes. NIFI-655: - Ensuring the user identity is not too long. NIFI-655: - Updating default authentication expiration to 12 hours. NIFI-655: - Remaining on the login form when there is any unsuccessful login attempt. - Fixing checkstyle issues.

120. Commit 769f19ee867f69e2d3bf157cae0a1f09ea4f24fa in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=769f19e>] Merge branch 'NIFI-655' of <https://git-wip-us.apache.org/repos/asf/nifi> into NIFI-655
121. Commit 769f19ee867f69e2d3bf157cae0a1f09ea4f24fa in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=769f19e>] Merge branch 'NIFI-655' of <https://git-wip-us.apache.org/repos/asf/nifi> into NIFI-655
122. Commit a5754986e2d46a13c9b1373d6befba24c08db016 in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=a575498>] NIFI-655: - Fixing the configuration property name for Authentication Expiration in the provided example configuration.
123. Commit 36eaddb7de295a313c0e677afd99a956ec15f04f in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=36eaddb>] NIFI-655: - Updating the version of ldap provider nar.
124. Commit f2d82ee1403579c73928259c61e129737856e02c in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=f2d82ee>] NIFI-655: - Updating the version of ldap provider nar.
125. Commit 1312bde498aadba9c706f4de7b955d20c6d2d036 in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=1312bde>] NIFI-655: - Updating available links during login, registration, and account status review.
126. Commit c073253366acf3bab28e530c1deab512735e5d7c in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=c073253>] NIFI-655: - Update admin guide with documentation for username/password authentication. - Setting default anonymous roles to none. - Making account status messages to users more clear. - Deleting user keys when an admin revokes/deletes an account. - Updating authentication filter to error back whenever authentication fails.
127. Commit 6bce858e4ae37fd10a6651428741a99a4b893d52 in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=6bce858>] NIFI-655: - Updated user guide with screenshots of login process. - Tweaked wording in admin guide. - Triggering login on enter press in login form.
128. Commit c1cc165edb2fdacdcc958f8b4b1dcf97bf40eb5f in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=c1cc165>] NIFI-655: - Fixing issue with filter bean initialization when clustered.
129. Commit 64beef5937e972c502888abc84adf1328295d04 in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=64beef>] NIFI-655: - Ensuring anonymous user label and login links are rendered when appropriate. - Ensuring responses are accurate when making requests with a token when user log in is not supported.
130. Commit 99016a835eba1048a1246f920ed1f8097fd64f3d in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=99016a8>] NIFI-655: - Ensuring the protocol is specified.
131. Reviewing now...
132. Commit a84e505bcd97c79a4c91ed7f34f18988c11bc267 in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=a84e505>] NIFI-655: - Ensuring the access token is not replicated when the user is already authenticated/authorized.
133. Commit c722b563351652702db70f1cc1501ff6754ffc70 in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=c722b56>] NIFI-655: - Ensuring the access token is not replicated when the user is already authenticated/authorized.
134. Commit 774d626f88c13098f69aac0fbb88902defa677df in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=774d626>] NIFI-655: - Adding documentation around the behavior of the authentication filters. - Only passing along necessary parameters.
135. Commit 014b2ac4e8c9e0eb22d9658c79752f6e855e5269 in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=014b2ac>] NIFI-655: - Removing proxied user chain as user details are already serialized.
136. Commit 2b0819a5f2d2d22085caf3d7a9e7779caf91124e in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=2b0819a>] NIFI-655: - Removing unused imports.
137. Commit c100052dac7c1366767e78c088da50ffb27958b4 in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=c100052>] NIFI-655: - Adding additional logging when proceeding as an anonymous user.
138. Commit 85eb8defdd0bb8b91c627493f6218b77c370c071 in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=85eb8de>] NIFI-655: - Changing

default expiration time to 12 hours.

139. Commit e22b51f3a7fee3b7079ea2007d88ffad4f60596b in nifi's branch refs/heads/NIFI-655 from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=e22b51f>] NIFI-655: - Renaming spring tokens to avoid confusion over authentication and authorization.
140. Finished reviewing... tested combinations of standalone and clustered configurations with and without LDAP, also tested upgrading 0.3.0 standalone and cluster to the latest libs without modifying configs, everything looked good. Reviewed new code and looks good, +1.
141. Commit 2b0819a5f2d2d22085caf3d7a9e7779caf91124e in nifi's branch refs/heads/master from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=2b0819a>] NIFI-655: - Removing unused imports.
142. Commit c100052dac7c1366767e78c088da50ffb27958b4 in nifi's branch refs/heads/master from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=c100052>] NIFI-655: - Adding additional logging when proceeding as an anonymous user.
143. Commit 85eb8defdd0bb8b91c627493f6218b77c370c071 in nifi's branch refs/heads/master from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=85eb8de>] NIFI-655: - Changing default expiration time to 12 hours.
144. Commit e22b51f3a7fee3b7079ea2007d88ffad4f60596b in nifi's branch refs/heads/master from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=e22b51f>] NIFI-655: - Renaming spring tokens to avoid confusion over authentication and authorization.
145. Commit 7726d069cdc98ec1b9d9be32c163ab09973e0073 in nifi's branch refs/heads/master from [~mcgilman] [<https://git-wip-us.apache.org/repos/asf?p=nifi.git;h=7726d06>] Merge branch 'NIFI-655'