EU-EBSI-SUPPORT

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Date: 2024.04.29 07:53:19 +02'00'

EBSI Conformance Test Report

NTT DATA - KayTrust - Digital Identity Management v1.1

29/04/2024

DID

did:key:z2dmzD81cgPx8Vki7JbuuMmFYrWPgYoytykUZ3eyqht1j9KbqMT4WMHt9Pjb3ydR2DDftrUEGj3mPJGofSbYeJhEpWSWQUNGEf761i89AQwE93Dwb74Ed3oRE1CceuE8J5M4qWyzhJUD5mBKaHNZhTZtTTTS3QcpnVoP9VeNip5jgzthR6

1.Summary of the report

This report certifies the conformance of KayTrust - Digital Identity Management v1.1 distributed by NTT DATA to the EBSI specifications vV3.0.0 on 29/04/2024.
The results and details of the tests can be found hereunder:

Test ID	Timestamp	Results
CT_WALLET_CROSS_AUTHORISED_DEFERRED	1714132043861	Successful
CT_WALLET_CROSS_PRE_AUTHORISED_DEFERRED	1714132049237	Successful
CT_WALLET_CROSS_PRE_AUTHORISED_IN_TIME	1714132211091	Successful
CT_WALLET_SAME_AUTHORISED_DEFERRED	1714132266073	Successful
CT_WALLET_SAME_AUTHORISED_IN_TIME	1714132262196	Successful
CT_WALLET_SAME_PRE_AUTHORISED_DEFERRED	1714132270254	Successful
CT_WALLET_SAME_PRE_AUTHORISED_IN_TIME	1714132320261	Successful
REQUEST_CT_WALLET_QUALIFICATION_CREDENTIAL	1714147370804	Successful

CT_WALLET_CROSS_AUTHORISED_DEFERRED

Deferred Credential

As an issuer, I want to enforce the deferred flow for the deferred credential from the issuer side. This means that when a participant requests the deferred credential, it will go through a specific deferred processing flow, resulting in a delay of 5 seconds from the first Credential Request. By implementing the deferred flow, the issuer can introduce a deliberate delay in providing the deferred credential.

4/26/2024, 1:47:23 PM

[conformance-v3]/conformance-v3(stdout) [32m[Conformance API v3] [39m [33mInfo [39m 4/26/2024, 11:47:23 AM [33m[CheckService] [39m [32mTest Data {"intent": "ct_wallet_cross_authorised_deferred", "data": {"did":"did:key:z2dmzD81cgPx8Vki7JbuuMmFYrWPgYoytykUZ3eyqht1j9KbqMT4WMHt9Pjb3ydR2DDftrUEGj3mPJGofSbYeJhEpWSWQUNGEf761i89AQwE93Dwb74Ed3oRE1CceuE8J5M4qWyzhJUD5mBKaHNZhTZtTTTS3QcpnVoP9VeNip5jgzthR6","credential_offer_endpoint":"openid-credential-offer://"}, "result": {"success":true} } End Test Data [39m

CT_WALLET_CROSS_AUTHORISED_DEFERRED

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4/26/2024, 1:20:19 PM

[conformance-v3]/conformance-v3(stdout) [32m[Conformance API v3] [39m [33mInfo [39m 4/26/2024, 11:20:19 AM [33m[CheckService] [39m [32mTest Data {"intent": "ct_wallet_cross_authorised_deferred", "data": {"did":"did:key:z2dmzD81cgPx8Vki7JbuuMmFYrWPgYoytykUZ3eyqht1j9KbqMT4WMHt9Pjb3ydR2DDftrUEGj3mPJGofSbYeJhEpWSWQUNGEf761i89AQwE93Dwb74Ed3oRE1CceuE8J5M4qWyzhJUD5mBKaHNZhTZtTTTS3QcpnVoP9VeNip5jgzthR6","credential_offer_endpoint":"openid-credential-offer://"}, "result": {"success":true} } End Test Data [39m

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4/26/2024, 1:19:30 PM

[conformance-v3]/conformance-v3(stdout) [32m[Conformance API v3] [39m [33mInfo [39m 4/26/2024, 11:19:30 AM [33m[CheckService] [39m [32mTest Data {"intent": "ct_wallet_cross_authorised_deferred", "data": {"did":"did:key:z2dmzD81cgPx8Vki7JbuuMmFYrWPgYoytykUZ3eyqht1j9KbqMT4WMHt9Pjb3ydR2DDftrUEGj3mPJGofSbYeJhEpWSWQUNGEf761i89AQwE93Dwb74Ed3oRE1CceuE8J5M4qWyzhJUD5mBKaHNZhTZtTTTS3QcpnVoP9VeNip5jgzthR6","credential_offer_endpoint":"openid-credential-offer://"}, "result": {"success":true} } End Test Data [39m

CT_WALLET_CROSS_AUTHORISED_IN_TIME

Initiate Cross-Device Credential Issuance

As an issuer, I want to ensure that the in-Time credential goes through the in-time flow from the issuer side. This means that when a participant requests the in-Time credential, it will be processed and made available synchronously, without any delays. By implementing this in-time flow, participants can seamlessly obtain the in-Time credential without experiencing any significant wait times or processing delays. The synchronous availability of the credential ensures a smooth and efficient user experience.

4/26/2024, 1:49:26 PM

[conformance-v3]/conformance-v3(stdout) [32m[Conformance API v3] [39m [33mInfo [39m 4/26/2024, 11:49:26 AM [33m[CheckService] [39m [32mTest Data {"intent": "ct_wallet_cross_authorised_in_time", "data": {"did":"did :key:z2dmzD81cgPx8Vki7JbuuMmFYrWPgYoytykUZ3eyqht1j9KbqMT4WMHt9Pjb3ydR2DDftrUEGj3mPJGofSbYeJhE pWSWQUNGEf761i89AQwE93Dwb74Ed3oRE1CceuE8J5M4qWyzhJUD5mBKaHNZhTZtTTTS3QcpnVoP9VeNip5jgzth R6","credential_offer_endpoint":"openid-credential-offer://"}, "result": {"success":true} } End Test Data [39m

CT_WALLET_CROSS_PRE_AUTHORISED_DEFERRED

Initiate Pre-Authorized Deferred Credential Issuance

As an issuer, I aim to facilitate the issuance of pre-authorized deferred credentials, enabling a streamlined process for participants who have been pre-approved. This approach involves processing the credential issuance at a later time, rather than immediately upon request. The pre-authorized deferred method allows for flexible and efficient management of credential issuance

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[conformance-v3]/conformance-v3(stdout) [32m[Conformance API v3] [39m [33mInfo [39m 4/26/2024, 11:47:29 AM [33m[CheckService] [39m [32mTest Data {"intent": "ct_wallet_cross_pre_authorised_deferred", "data": {"did":"did:key:z2dmzD81cgPx8Vki7JbuuMmFYrWPgYoytykUZ3eyqht1j9KbqMT4WMHt9Pjb3ydR2DDftrUEGj3mPJGofSbYeJhEpWSWQUNGEf761i89AQwE93Dwb74Ed3oRE1CceuE8J5M4qWyzhJUD5mBKaHNZhTZtTTTS3QcpnVoP9VeNip5jgzthR6","credential_offer_endpoint":"openid-credential-offer://"}, "result": {"success":true} } End Test Data [39m

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4/26/2024, 1:19:36 PM

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CT_WALLET_CROSS_PRE_AUTHORISED_IN_TIME

Initiate Pre-Authorized In-Time Credential Issuance

As an issuer, I am committed to enabling the issuance of pre-authorized, in-time credentials, ensuring that participants who have already been approved can receive their credentials immediately and synchronously. This process underscores the importance of efficiency and immediacy in credential issuance for pre-approved participants, allowing them to access their credentials without any delays.

4/26/2024, 1:50:11 PM

[conformance-v3]/conformance-v3(stdout) [32m[Conformance API v3] [39m [33mInfo [39m 4/26/2024, 11:50:11 AM [33m[CheckService] [39m [32mTest Data {"intent": "ct_wallet_cross_pre_authorised_in_time", "data": {"did" :"did:key:z2dmzD81cgPx8Vki7JbuuMmFYrWPgYoytykUZ3eyqht1j9KbqMT4WMHt9Pjb3ydR2DDftrUEGj3mPJGofSbY eJhEpWSWQUNGEf761i89AQwE93Dwb74Ed3oRE1CceuE8J5M4qWyzhJUD5mBKaHNZhTZtTTTS3QcpnVoP9VeNip5j gzthR6","credential_offer_endpoint":"openid-credential-offer://"}, "result": {"success":true} } End Test Data [39m

CT_WALLET_SAME_AUTHORISED_DEFERRED

Deferred Credential

As an issuer, I want to enforce the deferred flow for the deferred credential from the issuer side. This means that when a participant requests the deferred credential, it will go through a specific deferred processing flow, resulting in a delay of 5 seconds from the first Credential Request.

4/26/2024, 1:51:06 PM

[conformance-v3]/conformance-v3(stdout) [32m[Conformance API v3] [39m [33mInfo [39m 4/26/2024, 11:51:06 AM [33m[CheckService] [39m [32mTest Data {"intent": "ct_wallet_same_authorised_deferred", "data": {"did":"did:key:z2dmzD81cgPx8Vki7JbuuMmFYrWPgYoytykUZ3eyqht1j9KbqMT4WMHt9Pjb3ydR2DDftrUEGj3mPJGofSbYeJhEpWSWQUNGEf761i89AQwE93Dwb74Ed3oRE1CceuE8J5M4qWyzhJUD5mBKaHNZhTZtTTTS3QcpnVoP9VeNip5jgzthR6","credential_offer_endpoint":"openid-credential-offer://"}, "result": {"success":true} } End Test Data [39m

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4/26/2024, 1:46:30 PM

[conformance-v3]/conformance-v3(stdout) [32m[Conformance API v3] [39m [33mInfo [39m 4/26/2024, 11:46:30 AM [33m[CheckService] [39m [32mTest Data {"intent": "ct_wallet_same_authorised_deferred", "data": {"did":"did:key:z2dmzD81cgPx8Vki7JbuuMmFYrWPgYoytykUZ3eyqht1j9KbqMT4WMHt9Pjb3ydR2DDftrUEGj3mPJGofSbYeJhEpWSWQUNGEf761i89AQwE93Dwb74Ed3oRE1CceuE8J5M4qWyzhJUD5mBKaHNZhTZtTTTS3QcpnVoP9VeNip5jgzthR6","credential_offer_endpoint":"openid-credential-offer://"}, "result": {"success":true} } End Test Data [39m

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4/26/2024, 1:44:51 PM

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CT_WALLET_SAME_AUTHORISED_IN_TIME

In-Time Credential

As an issuer, I want to ensure that the in-Time credential goes through the in-time flow from the issuer side. This means that when a participant requests the in-Time credential, it will be processed and made available synchronously, without any delays.

4/26/2024, 1:51:02 PM

[conformance-v3]/conformance-v3(stdout) [32m[Conformance API v3] [39m [33mInfo [39m 4/26/2024, 11:51:02 AM [33m[CheckService] [39m [32mTest Data {"intent": "ct_wallet_same_authorised_in_time", "data": {"did":"did :key:z2dmzD81cgPx8Vki7JbuuMmFYrWPgYoytykUZ3eyqht1j9KbqMT4WMHt9Pjb3ydR2DDftrUEGj3mPJGofSbYeJhE pWSWQUNGEf761i89AQwE93Dwb74Ed3oRE1CceuE8J5M4qWyzhJUD5mBKaHNZhTZtTTTS3QcpnVoP9VeNip5jgzth R6","credential_offer_endpoint":"openid-credential-offer://"}, "result": {"success":true} } End Test Data [39m

CT_WALLET_SAME_PRE_AUTHORISED_DEFERRED

Deferred Pre-authorised Credential

As an issuer, I want to enforce the pre-authorised flow for the Pre-Authorised credential from the issuer side. This means that the credential can only be issued if the participant has gained access through a pre-authorised code. By implementing the pre-authorised flow, the issuer ensures that participants can only obtain the Pre-Authorised credential if they have successfully authenticated and gained access through a pre-authorised code. When a participant requests the deferred credential, it will go through a specific deferred processing flow, resulting in a delay of 5 seconds from the first Credential Request.

4/26/2024, 1:51:10 PM

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4/26/2024, 1:46:34 PM

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4/26/2024, 1:46:24 PM

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CT_WALLET_SAME_PRE_AUTHORISED_IN_TIME

In-Time Pre-authorised Credential

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4/26/2024, 1:52:00 PM

[conformance-v3]/conformance-v3(stdout) [32m[Conformance API v3] [39m [33mInfo [39m 4/26/2024, 11:52:00 AM [33m[CheckService] [39m [32mTest Data {"intent": "ct_wallet_same_pre_authorised_in_time", "data": {"did": "did:key:z2dmzD81cgPx8Vki7JbuuMmFYrWPgYoytykUZ3eyqht1j9KbqMT4WMHt9Pjb3ydR2DDftrUEGj3mPJGofSbYeJhEpWSWQUNGEf761i89AQwE93Dwb74Ed3oRE1CceuE8J5M4qWyzhJUD5mBKaHNZhTZtTTTS3QcpnVoP9VeNip5jgzthR6","credential_offer_endpoint":"openid-credential-offer://"}, "result": {"success":true} } End Test Data [39m

REQUEST_CT_WALLET_QUALIFICATION_CREDENTIAL

CT Qualification through VP Exchange

As an issuer, I want to offer a CT Qualification Credential, which requires a Verifiable Presentation exchange. This exchange will involve receiving credentials from the same-device and/or cross-device test suites. By engaging in this Verifiable Presentation exchange, I can ensure that the exchanged credentials meet the necessary criteria. The received credentials from the same-device and cross-device test suites will collectively contribute to the CT Qualification Credential, enhancing the overall compliance and qualification of the issuer's offerings.

4/26/2024, 6:02:50 PM

[conformance-v3]/conformance-v3(stdout) [32m[Conformance API v3] [39m [33mInfo [39m 4/26/2024, 4:02:50 PM [33m[CheckService] [39m [32mTest Data {"intent": "request_ct_wallet_qualification_credential", "data": {"did":"did:key:z2dmzD81cgPx8Vki7JbuuMmFYrWPgYoytykUZ3eyqht1j9KbqMT4WMHt9Pjb3ydR2DDftrUEGj3mPJGofSbYeJhEpWSWQUNGEf761i89AQwE93Dwb74Ed3oRE1CceuE8J5M4qWyzhJUD5mBKaHNZhTZtTTTS3QcpnVoP9VeNip5jgzthR6","credential_offer_endpoint":"openid-credential-offer://"}, "result": {"success":true} } End Test Data [39m

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