

JFF VC-EDU Plugfest 2 Participation Guide

November 14, 2022 | 9 AM Pacific Time

Thank you for your interest in Plugfest 2. The purpose of this event is to issue W3C Verifiable Credentials in the Open Badges v3 format and Decentralized Identifiers to wallets using protocols that are popular in the education and workforce ecosystem.

The information in this participation guide will be updated to contain logistical information about this event. Current technical discussions will occur through the VC-EDU listserv at <https://w3c-ccg.github.io/vc-ed/>.

ASSIGNMENTS for participants are highlighted in green.

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PARTICIPATION OVERVIEW

Registering for Plugfest2

Please complete this form by **Friday, September 9, 2022, 12 PM ET**

- <https://forms.gle/Y1b38UwLHVLFwP898>

We will notify participants of their successful participation no later than **Monday, September 12, 2022, 11 AM ET.**

If you need assistance with registration, please contact Joan Lee, jlee@jfflabs.org.

W3C Credentials Community Group (CCG)

All participants in PlugFest 2 activities, agree to abide by the W3C Code of Ethics and Professional Conduct, <https://www.w3.org/Consortium/cepc>

How to join the W3C CCG:

<https://www.w3.org/groups/cg/credentials>

- Sign up for an account here: <https://www.w3.org/accounts/request>
- Join the CCG here: <https://www.w3.org/community/credentials/join>
- Agreement of the CLA: <https://www.w3.org/community/about/process/cla>

How to sign up for the VC-EDU listserv:

<https://lists.w3.org/Archives/Public/public-vc-edu/>

- Send email to: public-vc-edu-request@w3.org
- Subject: subscribe

Demo Day

November 13, 2022

9:00 AM PT to 1:30 PM PT

Agenda Overview

9:00 AM	START
9:25 AM	VC-API/CHAPI Demos and Discussion
10:25 AM	OIDC Demos and Discussion
11:35 AM	DIDComm Demos and Discussion
12:25 AM	Debrief and Plugfest 3 Discussion
1:30 PM	END

Detailed Agenda

Coming soon...

Participant Instructions

ASSIGNMENT: coming soon...

Presenting Virtually

- Please make sure we are able to identify you as a presenter. Once you join the Zoom meeting:
 - Make sure your participant name reads: Your Name | Your Organization
 - Send a private message to “JFFLABS” meeting host to check in. This will help us when we unmute you for the presentation and the panel discussion
- ZOOM
<https://us06web.zoom.us/j/83917181963?pwd=YjA1SUFPN2RSUHg4a09seDRIRHdQdz09>
Meeting ID: 839 1718 1963
Passcode: 623227

Presenting In Person

- Computer History Museum Lovelace Room
- Registration table will be out front. Please check in to let us know you have arrived.
- Other logistical details are coming soon.

Submitting Demo Package

Instructions for Wallet Providers

Create a YouTube Video

- Video should not exceed 3 minutes in length
- Video can be set to private, so that they are only accessible through the link

Video Content

- Video should demonstrate the requirements of this plugfest
 - Display verifiable credential in the Open Badge v3.0 format from at least two different issuers
 - Display all VC required fields, badge image, issuer name, achievement name, achievement description, achievement criteria
 - Optional to display issuer logos and any other OBv3 or protocol specific fields
- Video should include a test of your credential using any schema validator and the Open Badges 3.0 schema

Additional Materials

- Raw file of signed credential
- Documentation that will allow viewers of the video to reproduce the demo they are watching, such as instructions on how to use the wallet in the App/Play store or login/password using any test account

Submitting the Demo

- Demo videos are due: **TUESDAY NOVEMBER 8, 2022, 12 PM ET**
 - Note that these videos will also be posted to:
<https://w3c-ccg.github.io/vc-ed/plugfest-2-2022/>
- Send an email to Joan Lee, jlee@jfflabs.org
 - Subject: Plugfest 2 Demo - Wallet Provider
 - Body text includes:
 1. Link to YouTube Video
 2. “This video features credentials issued into our wallet by our partners: [partner 1] and [partner 2]”
 3. “You can reproduce the wallet functionality by: [insert instructions for how to replicate demo either by using App/Play store or login/password instructions on any test account.]
 4. Optional: anything notable, such as optional fields or topics you would like to discuss during the demo
 - Attachments
 - Raw file of signed credential

Instructions for Credential Issuers

- NOTE: Credential Issuers have two options for how to submit final materials for demo day

OPTION 1: Create one video

Create a YouTube Video

- Video should not exceed 3 minutes in length
- Video can be set to private, so that they are only accessible through the link

Video Content

- Video should demonstrate the requirements of this plugfest
 - Issue a verifiable credential in the Open Badge v3.0 format into at least two participating wallet providers using one of the approved protocols
 - Display all VC required fields, badge image, issuer name, achievement name, achievement description, achievement criteria
 - Optional to display issuer logos and any other OBv3 or protocol specific fields
- Video should include a test of your credential using any schema validator

Additional Materials

- Raw file of signed credential
- Documentation that will allow viewers of the video to reproduce the demo they are watching, such as instructions on how to use the issuer by accessing the App/Play store or login/password using any test account for the **wallet partners**

Submitting the Demo

- Demo videos are due: **TUESDAY NOVEMBER 8, 2022, 12 PM ET**
 - Note that these videos will also be posted to:
<https://w3c-ccg.github.io/vc-ed/plugfest-2-2022/>
- Send an email to Joan Lee, jlee@jfflabs.org
 - Subject: Plugfest 2 Demo - Credential Issuer (option 1)
 - Body text includes:
 1. Link to YouTube Video
 2. "This video features credentials being issued into wallets of our partners: [partner 1] and [partner 2]"
 3. "You can reproduce the issuing functionality by: [insert instructions for how to replicate demo either by using App/Play store or login/password instructions on any test account for the wallet partners.]
 4. Optional: anything notable, such as optional fields or topics you would like to discuss during the demo
 - Attachments
 - Raw file of signed credential

OPTION 2: Appear in at least two videos

Appear in at least two YouTube Videos created by your wallet partners

Video Content

- Video should demonstrate the requirements of this plugfest
 - Issue a verifiable credential in the Open Badge v3.0 format into at each wallet provider using one of the approved protocols
 - Display all VC required fields, badge image, issuer name, achievement name, achievement description, achievement criteria
 - Optional to display issuer logos and any other OBv3 or protocol specific fields
- Video should include a test of your credential using any schema validator

NOTE: Issuers selecting this option are responsible for ensuring that that the videos produced by their partners highlight all the requirements of this plugfest

Additional Materials

- Raw file of signed credential
- Documentation that will allow viewers of the video to reproduce the demo they are watching, such as instructions on how to use the issuer by accessing the App/Play store or login/password using any test account for the **wallet partners**

Submitting the Demo

- Demo videos are due: **TUESDAY NOVEMBER 8, 2022, 12 PM ET**
 - Note that these videos will also be posted to:
<https://w3c-ccg.github.io/vc-ed/plugfest-2-2022/>
- Send an email to Joan Lee, jlee@jfflabs.org
 - Subject: Plugfest 2 Demo - Credential Issuer (option 2)
 - Body text includes:
 1. Link to at least YouTube videos featuring your credential issuer
 2. “Our credential issuer is featured in videos created by our wallet partners: [partner 1] and [partner 2]”
 3. “You can reproduce the issuing functionality by: [insert instructions for how to replicate demo either by using App/Play store or login/password instructions on any test account for the wallet partners.]
 4. Optional: anything notable, such as optional fields or topics you would like to discuss during the demo
 - Attachments
 - Raw file of signed credential

Instructions for Participants demonstrating BOTH Wallet and Credential Issuing Functionality

- NOTE: Contractually, you are not obligated to do this, but do it for the glory and the pie

Submitting the Demo

- Demo videos are due: **TUESDAY NOVEMBER 8, 2022, 12 PM ET**
 - Note that these videos will also be posted to:
<https://w3c-ccg.github.io/vc-ed/plugfest-2-2022/>
- Send an email to Joan Lee, jlee@jfflabs.org
 - Subject: Plugfest 2 Demo - Issuer and Wallet
 - Body text includes:

Wallet Requirements (from above)

1. Link to YouTube Video
 2. “This video features credentials issued into our wallet by our partners: [partner 1] and [partner 2]”
 3. “You can reproduce the wallet functionality by: [insert instructions for how to replicate demo either by using App/Play store or login/password instructions on any test account.]
 4. Optional: anything notable, such as optional fields or topics you would like to discuss during the demo
- Attachments
 - Raw file of signed credential

Issuer Requirements (select one of the two options from above)

Option 1:

1. Link to YouTube Video
 2. “This video features credentials being issued into wallets of our partners: [partner 1] and [partner 2]”
 3. “You can reproduce the issuing functionality by: [insert instructions for how to replicate demo either by using App/Play store or login/password instructions on any test account for the wallet partners.]
 4. Optional: anything notable, such as optional fields or topics you would like to discuss during the demo
- Attachments
 - Raw file of signed credential

Option 2:

1. Link to at least YouTube videos featuring your credential issuer
2. “Our credential issuer is featured in videos created by our wallet partners: [partner 1] and [partner 2]”

3. “You can reproduce the issuing functionality by: [insert instructions for how to replicate demo either by using App/Play store or login/password instructions on any test account for the wallet partners.]
 4. Optional: anything notable, such as optional fields or topics you would like to discuss during the demo
- Attachments
 - Raw file of signed credential

Master Calendar

Date	Activity	Activity Contact
Monday, August 8, 2022	Open Call for PlugFest 2 Participation AMA at weekly VC-EDU meeting	jlee@jfflabs.org
Friday, September 9, 2022	Last day to register to participate Complete registration form by 12 PM ET	jlee@jfflabs.org
Monday, September 12, 2022	All participants notified by 11 AM ET	sleu@jff.org
Wednesday, September 14, 2022 11 AM ET	PlugFest 2 Kick-off Meeting, 11 AM ET	sleu@jff.org
Tuesday, September 20, 2022 12 PM ET	W3C CCG Meeting Special Topic: VC Protocols and Protocol Selection	https://w3c-ccg.github.io/
Wednesday, September 21, 2022	PlugFest 2 Q/A Please submit questions in advance. Time TBD.	sleu@jff.org jlee@jfflabs.org
Friday, September 23, 2022 EOD	Display VC Due For new wallet implementers only. All new wallet solutions must submit a video demonstrating display of JFF OBv3 badge.	jlee@jfflabs.org
Friday, Sept 23, 2022 EOD	Administrative Deadline: Contract and Financial Forms Due Submit customized contract SOW and financial forms by adding your company name and indicating your participation status (wallet, issuer, both).	jlee@jfflabs.org
Friday, September 30, 2022 EOD	Select Protocol Due All undecided participants must make final protocol selection	sleu@jff.org
Tuesday, October 11, 2022 11 AM ET	Optional: Partnership activity Watch Zoom Recording Passcode: Yi4cUL@+	sleu@jff.org
Friday, October 14, 2022	Select Partners Due All participants must select at least two partners	sleu@jff.org
Friday, October 7, 2022 EOD	Administrative Deadline: Contract Signature Due	jlee@jfflabs.org
October 19, 2022	PlugFest 2 Technical Meeting Watch Zoom Recording Passcode: s#-YE4k.	sleu@jff.org
November 8, 2022 Noon ET	Demo videos due	jlee@jfflabs.org
November 14, 2022 9 AM PT to 1 PM PT	PlugFest 2 Demo Day at Internet Identity Workshop	scorrea@jff.org
November 30, 2022	Final attempts demo videos due	sleu@jff.org
December 9, 2022	Administrative Deadline: Final invoice due	chaworth@jff.org

FREQUENTLY ASKED QUESTIONS

Question about eligibility

If I am a wallet implementer and did not participate in PlugFest 1, am I eligible to participate in PlugFest 2?

Yes! We are excited that you are joining us in this important work. While it is not necessary for you to have participated in PlugFest 1, we are requiring that all participants in PlugFest 2 successfully demonstrate that their wallet can hold a verifiable credential in the OBv3 format. This is the credential format that we will use for PlugFest 2.

The PlugFest team will issue a JFF credential to your wallet using the DID method of your choice. Please provide the information request in the registration form. If you are unclear how to proceed, please send an email to Joan Lee, jlee@jfflabs.org.

If I am a credential issuing platform and did not participate in PlugFest 1, am I eligible to participate in Plugfest 2?

Yes! We are excited that you are joining us in this important work. Credential issuing platforms were not eligible to participate in PlugFest 1, so there are no new additional requirements for their participation in PlugFest 2.

What is an example of a credential issuing platform?

Credential issuing platforms issue verifiable credentials as a service to any wallet, including those not provided by their own platform.

Are educational institutions eligible to participate in PlugFest 2 as a credential issuing platform?

Educational institutions, training providers, and other credential providers are eligible to participate if the credential issuing service is universally available to others outside their organization.

Questions about technical requirements

What are the technical requirements for wallet implementers?

- Display: Verifiable credential (OBv3) from at least two different credential issuers
- Display: badge image, issuer name, achievement name, achievement description, achievement criteria
- Optional: issuer logo & other Open Badges v3 terms

What are the technical requirements for credential issuing platforms?

- Issue: Verifiable credential (OBv3) to at least two different wallets (using VC-API/CHAPI, OpenID Connect, and/or DID-Comm Presentation Exchange)
- Optional Display: badge image, issuer name, issuer logo, & achievement name, achievement description, achievement criteria, & other Open Badges v3 terms

Can we participate if we have not yet decided which protocol to implement?

Yes! The VC-EDU plugfest team is excited to learn more about the different wallet/issuing solutions and are happy to provide technical support and resources to teams who are in the process of selecting a protocol. Please indicate your interest using the form or by using the VC-EDU mailing list: <https://lists.w3.org/Archives/Public/public-vc-edu/>.

Can we participate if we do not intend to implement one of the three protocols (VC-API/CHAPI, OpenID Connect, DID-Comm Presentation Exchange)?

In order to participate, you must select at least one of the three protocols.

Can we use a different verifiable credential that is not an open badge (OBv3)?

For the purpose of this plugfest, we will be focusing on a single achievement verifiable credential that all wallets are able accept (OBv3). Participants in PlugFest 2 are welcome to make suggestions on other verifiable credential formats in coordination. If there is demand for these formats by wallet implementers within the PlugFest 2 cohort, the plugfest team is open to considering these other credentials.

Will credential issuers be required to use DIDs?

Yes.

Will DID Authentication be required?

Yes. **Note that DID Authentication does not have to occur using DIDAuth Protocol.**

Who decides which DID method to use - wallet or credential issuing platforms?

This will be a collaborative decision between wallets & issuers.

Questions about funding

Will there be funding to support technical development or team coordination activities for this Plugfest?

\$10,000 will be available to each organization (wallet/issuer/both) that demonstrates successful execution of the technical requirements. As in PlugFest 1, participants will be required to submit a video on ahead of demo day (November 14, 2022). Additional information will be provided in September.