

	Group 1	Group 2		
<b>VC-format</b>	jwt_vc	ldp_vc (valid JSON-LD)		
<b>VC-subject.id</b>	did:jwt	did:key		
<b>VC-issuer.id</b>	did:jwt	did:key		
<b>VC-proof</b>	JWT with alg=ES256	LDP with proof.type=Ed25519Signature2018		
<b>proof-of-possession.type</b>	jwt	jwt		
<b>proof-of-possession.alg</b>	ES256	EdDSA		

*Note: proof-of-possession in the OpenID for Credential Issuance protocol is always a JWT and signed with a key from the subject's DID (EdDSA or ES256). It does not relate to the VC itself, it is just part of the protocol flow.*

*So, if you selected Ed25519Signature2018, then it is assumed you are going to support EdDSA signatures for JWTs since the same private key material can be used.*

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Group 1				
Company	Wallet Type (web/mobile/none)	Issuer	Issuer portal	Notes
Spruce	mobile	yes	<a href="https://ngi-oidc4vci-test.spruceid.xyz/">https://ngi-oidc4vci-test.spruceid.xyz/</a>	
Crossword	mobile	yes	<a href="https://ldp_research.identiproof.io/">https://ldp_research.identiproof.io/</a>	
IQ4	web	none		
Sphereon	mobile	none		
ValidatedID	mobile	none		
walt.id	none	yes	<a href="https://jff.walt.id/">https://jff.walt.id/</a>	
Fuixlabs	???	???		
Danube Tech	none	yes	<a href="https://oidc4vc.uniissuer.io/">https://oidc4vc.uniissuer.io/</a>	

Group 2				
Company	Wallet Type (web/mobile/none)	Issuer	Issuer Portal	Notes
Spruce	mobile	yes	<a href="https://ngi-oidc4vci-test.spruceid.xyz/">https://ngi-oidc4vci-test.spruceid.xyz/</a>	(not tested)
Mattr	mobile	yes	<a href="https://launchpad.mattrlabs.com">https://launchpad.mattrlabs.com</a>	
Diwala	web	yes	<a href="https://oidc4vc.diwala.io/issue">https://oidc4vc.diwala.io/issue</a>	
Entrustient	mobile	yes		
Learning Economy	web	yes		
Parchment/Digitary	mobile	yes		
walt.id	none	yes	<a href="https://jff.walt.id/">https://jff.walt.id/</a>	
Fuixlabs	???	???		
Danube Tech	none	yes	<a href="https://oidc4vc.uniissuer.io/">https://oidc4vc.uniissuer.io/</a>	

	Contact Email			
<b>Crossword</b>	david.chadwick@crosswordcybersecurity.com, ioram.sette@crosswordcybersecurity.com, andrzej.boruch@crosswordcybersecurity.com, sergiosette@gmail.com			
<b>Diwala</b>	snorre@diwala.io			
<b>Entrustient</b>	adi@entrustient.com, tim@entrustient.com			
<b>Fuixlabs</b>				
<b>IQ4</b>	tim@iq4.com			
<b>Learning Economy</b>	jackson@learningeconomy.io			
<b>MATTR</b>	tobias.looker@mattr.global			
<b>Parchment/Digitary</b>	simone.ravaioli@parchment.com, takis.diakoumis@parchment.com			
<b>Sphereon</b>	nklomp@sphereon.com, spodshivalin@sphereon.com, mboender@sphereon.com			
<b>Spruce</b>	dani.johnson@spruceid.com, oliver.terbu@spruceid.com			
<b>ValidatedID</b>	ivan@validatedid.com, andreas.abraham@validatedid.com, mauro.lucchini@validatedid.com			
<b>Velocity</b>				
<b>walt.id</b>	severin@walt.id, phil@walt.id			
<b>Danube Tech</b>	markus@danubetech.com, azeem.ahamed@danubetech.com			

Company	Issuer Support			Wallet Support					VC-Format	
	DID Method	Subject Id	Signing Algo	Wallet Type	DID Method	Subject Id	Signing Algo	Pop ES256		Pop DID-JWK
Crossword	https, did:jwk	did:jwk	ES256	mobile	did:jwk	did:jwk	ES256			VC-JWT
Divele	did:web / did:key	did:web / did:key	Ed25519Signature2018	web	did:web / did:key	did:web / did:key	Ed25519Signature2018			JSON-LD
Entrustant	did:sov:did:key	did:sov:did:key	Ed25519Signature2018	mobile	did:sov:did:key	did:sov:did:key	Ed25519Signature2018			VC-JWT & JSON-LD
Fuixlabs	did:web	did:web								
IQ4	-	-	-	web	did:jwk	did:jwk	ES256			VC-JWT
Learning Economy	did:key (&did:pkh/web)	did:key (&did:pkh/web)	Ed25519Signature2018/20 (&ES256)	web	did:key (&did:pkh/web)	did:key (&did:pkh/web)	Ed25519Signature2018/20 (&ES256)			JSON-LD
MATTR	did:web	did:key	Ed25519Signature2018	mobile [1]	did:key	did:key	Ed25519Signature2018			JSON-LD
Parchment/Diplary	did:web	did:key	Ed25519Signature2018	mobile	did:key	did:key	Ed25519Signature2018			JSON-LD
Sphereon	-	-	-	mobile	did:jwk (&did:key/ion/ethr/web)	did:jwk (&did:key/ion/ethr/web)	ES256 (&Ed25519Signature2018/20)	Yes	Yes	VC-JWT & JSON-LD
Spruce	did:web	did:jwk	ES256	mobile	did:jwk	did:jwk	ES256			VC-JWT
Valid4id	-	-	-	mobile	did:key, did:ethr, did:jwk (WIP)	did:key, did:ethr, did:jwk (WIP)	ES256, ES256K, EdDSA			VC-JWT & JSON-LD
Velocity										
walt.id	did:web, did:jwk	did:jwk	ES256							VC-JWT
Danube Tech	did:web, did:jwk, did:key, did:bsi, did:indy, did:ion, did:ion	did:jwk, did:key	ES256, Ed25519Signature2018							VC-JWT & JSON-LD

Note: proof of possession in the OpenID for Credential Issuance protocol is always a JWT, alg header of JWT and DID Doc have to correspond

Company/Product Name	Crossword Identifier	Source	Wiki	Canuba Tech
ODC Profile Supported	<a href="#">https://www.oxfordjournals.org/doi/10.1093/oxfordjournals/oxfordjournals.org/</a>	<a href="#">https://www.oxfordjournals.org/doi/10.1093/oxfordjournals/oxfordjournals.org/</a>	<a href="#">https://www.oxfordjournals.org/doi/10.1093/oxfordjournals/oxfordjournals.org/</a>	<a href="#">https://www.oxfordjournals.org/doi/10.1093/oxfordjournals/oxfordjournals.org/</a>
Initiation Web Page	<a href="#">https://www.oxfordjournals.org/doi/10.1093/oxfordjournals/oxfordjournals.org/</a>	<a href="#">https://www.oxfordjournals.org/doi/10.1093/oxfordjournals/oxfordjournals.org/</a>	<a href="#">https://www.oxfordjournals.org/doi/10.1093/oxfordjournals/oxfordjournals.org/</a>	<a href="#">https://www.oxfordjournals.org/doi/10.1093/oxfordjournals/oxfordjournals.org/</a>
Credential Issuer Metadata endpoint	<a href="#">https://www.oxfordjournals.org/doi/10.1093/oxfordjournals/oxfordjournals.org/</a>	<a href="#">https://www.oxfordjournals.org/doi/10.1093/oxfordjournals/oxfordjournals.org/</a>	<a href="#">https://www.oxfordjournals.org/doi/10.1093/oxfordjournals/oxfordjournals.org/</a>	<a href="#">https://www.oxfordjournals.org/doi/10.1093/oxfordjournals/oxfordjournals.org/</a>
OAuth server Metadata endpoint (if different to above)	<a href="#">https://www.oxfordjournals.org/doi/10.1093/oxfordjournals/oxfordjournals.org/</a>	<a href="#">https://www.oxfordjournals.org/doi/10.1093/oxfordjournals/oxfordjournals.org/</a>	<a href="#">https://www.oxfordjournals.org/doi/10.1093/oxfordjournals/oxfordjournals.org/</a>	<a href="#">https://www.oxfordjournals.org/doi/10.1093/oxfordjournals/oxfordjournals.org/</a>
OAuth token endpoint for Pre-Auth code flow	<a href="#">https://www.oxfordjournals.org/doi/10.1093/oxfordjournals/oxfordjournals.org/</a>	<a href="#">https://www.oxfordjournals.org/doi/10.1093/oxfordjournals/oxfordjournals.org/</a>	<a href="#">https://www.oxfordjournals.org/doi/10.1093/oxfordjournals/oxfordjournals.org/</a>	<a href="#">https://www.oxfordjournals.org/doi/10.1093/oxfordjournals/oxfordjournals.org/</a>
Credential (Resource) endpoint	<a href="#">https://www.oxfordjournals.org/doi/10.1093/oxfordjournals/oxfordjournals.org/</a>	<a href="#">https://www.oxfordjournals.org/doi/10.1093/oxfordjournals/oxfordjournals.org/</a>	<a href="#">https://www.oxfordjournals.org/doi/10.1093/oxfordjournals/oxfordjournals.org/</a>	<a href="#">https://www.oxfordjournals.org/doi/10.1093/oxfordjournals/oxfordjournals.org/</a>
OAuth server issuer *	<a href="#">https://www.oxfordjournals.org/doi/10.1093/oxfordjournals/oxfordjournals.org/</a>	<a href="#">https://www.oxfordjournals.org/doi/10.1093/oxfordjournals/oxfordjournals.org/</a>	<a href="#">https://www.oxfordjournals.org/doi/10.1093/oxfordjournals/oxfordjournals.org/</a>	<a href="#">https://www.oxfordjournals.org/doi/10.1093/oxfordjournals/oxfordjournals.org/</a>
Issuer's JWKS URL	<a href="#">https://www.oxfordjournals.org/doi/10.1093/oxfordjournals/oxfordjournals.org/</a>	<a href="#">https://www.oxfordjournals.org/doi/10.1093/oxfordjournals/oxfordjournals.org/</a>	<a href="#">https://www.oxfordjournals.org/doi/10.1093/oxfordjournals/oxfordjournals.org/</a>	<a href="#">https://www.oxfordjournals.org/doi/10.1093/oxfordjournals/oxfordjournals.org/</a>
OAuth server's JWKS URL	<a href="#">https://www.oxfordjournals.org/doi/10.1093/oxfordjournals/oxfordjournals.org/</a>	<a href="#">https://www.oxfordjournals.org/doi/10.1093/oxfordjournals/oxfordjournals.org/</a>	<a href="#">https://www.oxfordjournals.org/doi/10.1093/oxfordjournals/oxfordjournals.org/</a>	<a href="#">https://www.oxfordjournals.org/doi/10.1093/oxfordjournals/oxfordjournals.org/</a>

Company/Product Name	Service	Describe Tech	MATR	STAND	Equivalent	Learning Economy	Purchasing/Digital	work id
ODC Profile Supported	<a href="#">https://www.ibm.com/odc/profiles</a>			<a href="#">https://www.ibm.com/odc/profiles</a>				
Initiation Web Page	<a href="#">https://www.ibm.com/odc/profiles</a>			<a href="#">https://www.ibm.com/odc/profiles</a>				
Credential Issuer Metadata endpoint	<a href="#">https://www.ibm.com/odc/profiles</a>			<a href="#">https://www.ibm.com/odc/profiles</a>				
OAuth server Metadata endpoint (if different to above)	<a href="#">https://www.ibm.com/odc/profiles</a>			<a href="#">https://www.ibm.com/odc/profiles</a>				
OAuth token endpoint for the auth code flow	<a href="#">https://www.ibm.com/odc/profiles</a>			<a href="#">https://www.ibm.com/odc/profiles</a>				
Credential (Resource) endpoint	<a href="#">https://www.ibm.com/odc/profiles</a>			<a href="#">https://www.ibm.com/odc/profiles</a>				
LWMS ODI Endpoint	<a href="#">https://www.ibm.com/odc/profiles</a>			<a href="#">https://www.ibm.com/odc/profiles</a>				

<b>Group 1 JWT</b>	<b>Issuer =&gt;</b>	Spruce	Crossword	<a href="#">walt.id</a>	Danube Tech	Velocity Network	Greenlight				
<b>Wallet ↓</b>	Spruce	done	done	done	Done						
	Crossword	done	done	done	TBD						
	IQ4	done	done	TBD	TBD	Done	Done				
	Sphereon	Done	Done	Done	Done	Done	Done				
	ValidatedID	done	TBD	done	done	done	done				
<b>Group 2 LDP</b>	<b>Issuer =&gt;</b>	Spruce	Matr	Diwala	Entrustient	Learning Economy	Parchment/Digitaly	<a href="#">walt.id</a>	Danube Tech		
<b>Wallet ↓</b>	Spruce	done	done	TBD	Done	TBD	TBD	Done	Done		
	Matr	Done*	Done	Done	Done	TBD	TBD	Done*	Done		*Signature scheme used is incompatible
	Diwala	Done	Done	Done	Done	TBD	TBD	Done	Done		
	Entrustient	Done	Done	Done	Done	TBD	TBD	Done	Done		
	Learning Economy	TBD	TBD	TBD	TBD		TBD	TBD	TBD		
	Parchment/Digitaly	TBD	TBD	TBD	TBD	TBD		TBD	TBD		
	Sphereon	Done	Done	Done	Done			Done	Done		

<b>Group 1 JWT</b>	<b>Issuer =&gt;</b>	Spruce	Crossword	<a href="#">walt_id</a>	Danube Tech	Velocity Network	Greenlight				
<b>Wallet ↓</b>	Spruce	done	done	done	TBD						
	Crossword	done	done	done	TBD						
	IQ4	done	done	TBD	TBD	Done	Done				
	Spheron	Done	Done	Done	Done	Done	Done			BINGO!	
	ValidatedID	done	TBD	done	done	done	TBD				
<b>Group 2 LDP</b>	<b>Issuer =&gt;</b>	Spruce	Matr	Diwala	Entrustient	<a href="#">walt_id</a>	Danube Tech				
<b>Wallet ↓</b>	Spruce	done	done	TBD	Done	TBD	TBD				
	Matr	Done*	Done	Done	Done	Done*	Done			*Signature scheme used is incompatble	
	Diwala	Done	Done		Done	Done	Done				
	Entrustient	Done	Done	Done	Done	Done	Done				
	Spheron	Done	Done	Done	Done	Done	Done			BINGO!	
	Participants	Issuer	Wallet								
	Spruce	Yes	Yes								
	Crossword	Yes	Yes								
	<a href="#">Walt_id</a>	Yes	No								
	Danube Tech	Yes	No								
	Velocity Network	Yes	No								
	Greenlight	Yes	No								
	IQ4	No	Yes								
	Spheron	No	Yes								
	ValidatedID	No	Yes								
	MATTR	Yes	Yes								
	Diwala	Yes	Yes								
	Entrustient	Yes	Yes								
Total		12	9	8							

Group 1 (Wallets) ↓		
	Tested with Issuer	Youtube Link
Spruce	- Crossword Cybersecurity - <a href="#">Walt.id</a> - MATTR	<a href="https://www.youtube.com/watch?v=JmNSzAPEaCE">https://www.youtube.com/watch?v=JmNSzAPEaCE</a>
Crossword	- Spruce - <a href="#">Walt.id</a> - ...	<a href="https://youtu.be/H81onnLnHuk">https://youtu.be/H81onnLnHuk</a> <a href="https://youtu.be/hSMUwHqJlro">https://youtu.be/hSMUwHqJlro</a>
IQ4	Spruce, Crossword, Velocity, Greenlight	<a href="https://youtu.be/QtZSRmRuMgk">https://youtu.be/QtZSRmRuMgk</a>
Sphereon	- Walt.id - Spruce - Velocity network - Greenlight - Danubetech - Matr - Crossword Cybersecurity - Diwala - Entrustient	9 issuers: <a href="https://drive.google.com/drive/folders/1T3uN6wbgEbYb8a9OnIqvzV4zNHRyC3ON?usp=sharing">https://drive.google.com/drive/folders/1T3uN6wbgEbYb8a9OnIqvzV4zNHRyC3ON?usp=sharing</a> <a href="https://www.youtube.com/watch?v=P0OnoSUKewk">https://www.youtube.com/watch?v=P0OnoSUKewk</a>
ValidatedID	- Spruce - Danube Tech - <a href="#">Walt.id</a> - Velocity	- <a href="https://youtu.be/XjCi3p7DM20">https://youtu.be/XjCi3p7DM20</a>
Group 2 (Wallets) ↓		
	Tested with Issuer	Youtube Link
Spruce	- Entrustient - TBD	- XXX - TBD
Matr	- Diwala - Entrustient	- <a href="https://youtu.be/zzC9VgKUQao">https://youtu.be/zzC9VgKUQao</a>
Diwala	- Full video and presentation - Walt.id - Entrustient - Matr - Universal issuer (danubtech) - Spruce - Diwala	- <a href="https://youtu.be/0JJ0lytOzoQ">https://youtu.be/0JJ0lytOzoQ</a> - <a href="https://youtu.be/0JJ0lytOzoQ?t=129">https://youtu.be/0JJ0lytOzoQ?t=129</a> - <a href="https://youtu.be/0JJ0lytOzoQ?t=150">https://youtu.be/0JJ0lytOzoQ?t=150</a> - <a href="https://youtu.be/0JJ0lytOzoQ?t=252">https://youtu.be/0JJ0lytOzoQ?t=252</a> - <a href="https://youtu.be/0JJ0lytOzoQ?t=185">https://youtu.be/0JJ0lytOzoQ?t=185</a> - <a href="https://youtu.be/0JJ0lytOzoQ?t=212">https://youtu.be/0JJ0lytOzoQ?t=212</a> - <a href="https://youtu.be/0JJ0lytOzoQ?t=300">https://youtu.be/0JJ0lytOzoQ?t=300</a>
Entrustient	- Danube Tech	- <a href="https://youtu.be/8mo8wA-tInY">https://youtu.be/8mo8wA-tInY</a>
	- Matr	- <a href="https://youtu.be/wkFXgdQGgY">https://youtu.be/wkFXgdQGgY</a>
	- Spruce	- <a href="https://youtu.be/rVUqVfHgv4s">https://youtu.be/rVUqVfHgv4s</a>
	- <a href="#">Walt.id</a>	- <a href="https://youtu.be/mgkt6WBUFv8">https://youtu.be/mgkt6WBUFv8</a>
	- Diwala	- <a href="https://youtu.be/9q7JmuDH4QY">https://youtu.be/9q7JmuDH4QY</a>
	- Entrustient	- <a href="https://youtu.be/j8VKNh9x1o">https://youtu.be/j8VKNh9x1o</a>
Sphereon	- Walt.id - Spruce - Velocity network - Greenlight - Danubetech - Matr - Crossword Cybersecurity - Diwala - Entrustient	
Full video and presentation, Walt.id, Entrustient , Matr, Universal issuer (danubtech), Spruce, Diwala		

[1] (&mobile - but focusing on web for plugfest)