
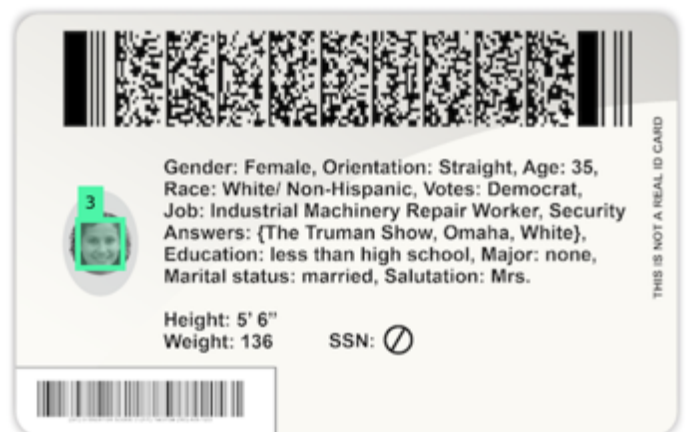


Example Photo Id + multiple images and barcodes

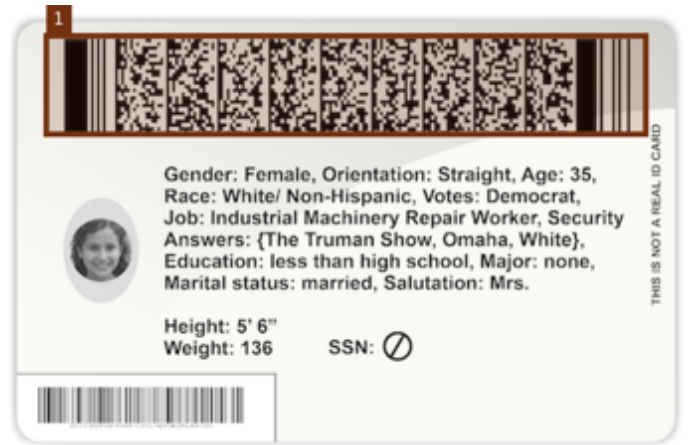
- USA, the state of Virginia (proposed?) Personal Identity card
- With qrcodes, barcodes and multiple images and text.
- Symbol  does all the facial computing (neural nets), barcodes, qrcodes and image text
- This will empower a universal blockchained or bloxberged Digital object that could and should enable a new de-centralized identification card system.

```
  
  
  
  
//fills in numerous content + metadata into the blockchain;  
  
  
show "index";  
  
save as photo_id;
```

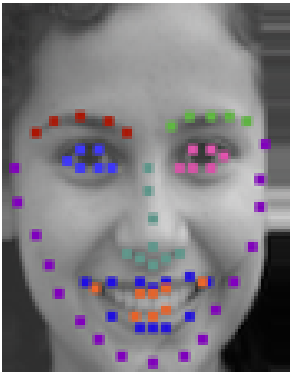
"/index"



"/barsindex"



"/highlight"



"/text"

```
{
  "image_text": "Vi soe VA, USA FEDERAL *LYQIM1A IDENTIFICATION CARD
  _#n* a716700487 eTESSIER 8 Gender: Female, Orientation: Straight,
  Age: 35, BELLA Fi Race: White/ Non-Hispanic, Votes: Democrat, Ad
  srw aD *B88795-a202 5 Job: Industrial Machinery Repair Worker,
  Security74 IN RD: 5 5 Answers: {The Truman Show, Omaha, White}, n
  Dato of birt ry Marital status: married, Salutation: Mrs. nOeio4rt988
  A\ na ED Height: 5 6  F BRO Weight: 136 ssn: QNONE nntek
  items tebe IMT |"
}
```

"/bartexts"

```
{
"@<LF><FS><CR>ANSI
6360050101DL00300203DLDAQ3265188<LF>DAALOTT,ERIC,B,<LF>DAG763 TEST
STREET<LF>DAINEW YORK CITY<LF>DAJSC<LF>DAK10005 <LF>DARD <LF>DAS
<LF>DAT <LF>DAU601<LF>DAW170<LF>DAYBRO <LF>DAZBRO
<LF>DBA20241004<LF>DBB19911004<LF>DBC1<LF>DBD20140101<LF>DBG2<LF>DBH1
}
```

Color Keys

Blockchain by Bloxberg 2.0

CCN cloud systems

Image Processing + Bloxberg 2.0 Blockchain Digitals

```
{
"/face", "/face1", "/highlight", "/faces", "/index", "/text",
"/facials", "/boxes", "/bartexts", "/barsindex", "/?", "/", "
processed", "( )", "/type", "/curve", "/compressed", "( )",
"( )", "( )/type", "/type", "( )", "( )", "( )/type", "/type",
"/bloxberg/contexts", "/bloxberg/context1/@context",
"/bloxberg/context1/id", "/bloxberg/context1/type",
"/bloxberg/context1/issuer", "/bloxberg/context1/issuancedate",
"/bloxberg/context1/credentialsubject", "/bloxberg/context1/crid",
"/bloxberg/context1/cridtype", "/bloxberg/context1/metadataajson",
"/bloxberg/context1/proof", "/bloxberg/context2/@context",
"/bloxberg/context2/id", "/bloxberg/context2/type",
"/bloxberg/context2/issuer", "/bloxberg/context2/issuancedate",
```

"□ /bloxberg/context2/credentialsubject", "□ /bloxberg/context2/crid",
"□ /bloxberg/context2/cridtype", "□ /bloxberg/context2/metadajson",
"□ /bloxberg/context2/proof", "□ /bloxberg/context3/@context",
"□ /bloxberg/context3/id", "□ /bloxberg/context3/type",
"□ /bloxberg/context3/issuer", "□ /bloxberg/context3/issuancedate",
"□ /bloxberg/context3/credentialsubject", "□ /bloxberg/context3/crid",
"□ /bloxberg/context3/cridtype", "□ /bloxberg/context3/metadajson",
"□ /bloxberg/context3/proof", "□ /bloxberg/context4/@context",
"□ /bloxberg/context4/id", "□ /bloxberg/context4/type",
"□ /bloxberg/context4/issuer", "□ /bloxberg/context4/issuancedate",
"□ /bloxberg/context4/credentialsubject", "□ /bloxberg/context4/crid",
"□ /bloxberg/context4/cridtype", "□ /bloxberg/context4/metadajson",
"□ /bloxberg/context4/proof", "□ /bloxberg/context5/@context",
"□ /bloxberg/context5/id", "□ /bloxberg/context5/type",
"□ /bloxberg/context5/issuer", "□ /bloxberg/context5/issuancedate",
"□ /bloxberg/context5/credentialsubject", "□ /bloxberg/context5/crid",
"□ /bloxberg/context5/cridtype", "□ /bloxberg/context5/metadajson",
"□ /bloxberg/context5/proof", "□ /bloxberg/context6/@context",
"□ /bloxberg/context6/id", "□ /bloxberg/context6/type",
"□ /bloxberg/context6/issuer", "□ /bloxberg/context6/issuancedate",
"□ /bloxberg/context6/credentialsubject", "□ /bloxberg/context6/crid",
"□ /bloxberg/context6/cridtype", "□ /bloxberg/context6/metadajson",
"□ /bloxberg/context6/proof", "□ /bloxberg/context7/@context",
"□ /bloxberg/context7/id", "□ /bloxberg/context7/type",

```
" /bloxberg/context7/issuer", " /bloxberg/context7/issuancedate",  
" /bloxberg/context7/credentialsubject", " /bloxberg/context7/crid",  
" /bloxberg/context7/cridtype", " /bloxberg/context7/metadajson",  
" /bloxberg/context7/proof", " /contents", " /hashlist", " /key_eth",  
" /value", " /pdf", " /fullcredentialobject",  
" /certificate", " /metadata",  
}
```

```
" /"
```

```
"\https://www.wolframcloud.com/obj/ccn2/freeform/ff/images/ff_free_blox_id_face.png"\  
https://www.wolframcloud.com/obj/ccn2/freeform/ff/images/ff_free_blox_id_facehighlight.png"\  
https://www.wolframcloud.com/obj/ccn2/freeform/ff/images/ff_free_blox_id_facehighlights.png"\  
https://www.wolframcloud.com/obj/ccn2/freeform/ff/images/ff_free_blox_id_index.png"\  
https://www.wolframcloud.com/obj/ccn2/freeform/ff/images/ff_free_blox_id_imagetext.json"\  
https://www.wolframcloud.com/obj/ccn2/freeform/ff/images/ff_free_blox_id_facialpoints.json"\  
https://www.wolframcloud.com/obj/ccn2/freeform/ff/images/ff_free_blox_id_barcodebox.json"
```

```
" /"
```

```
"group"->"ff"user"->"free"ffname"->"blox_id"publisher"->"CCN"  
"license"->"CC-BY-NC-ND 4.0"
```

Full Credential Object

```
" /fullcredentialobject"
```

```
"({"@context":["https://www.w3.org/2018/credentials/v1","https://w  
3id.org/bloxberg/schema/research_object_certificate_  
v1"],"id":["https://bloxberg.org"],"type":["VerifiableCredential  
","BloxbergCredential"],"issuer":["https://raw.githubusercontent.c  
om/bloxberg-org/issuer_json_  
12/master/issuer.json"],"issuanceDate":"2026-06-02T02:59:59.
```

448151+00:00\", \"credentialSubject\": {\"id\": \"https://sepolia.arbiscan.io/address/0xAF3aD7B80e90C0Ca651a8e673E193eCC690BADA8\", \"issuingOrg\": {\"id\": \"https://bloxberg.org\"}}, \"cred\": \"9d05f7aa5009599ded40ff901de8fbce8bedb00004c0e6ad77fd128c7fac6806\", \"credType\": \"sha2-256\", \"metadata\": {\"group\": \"ff\", \"user\": \"free\", \"fname\": \"blox_id\", \"publisher\": \"CCN\", \"license\": \"CC-BY-NC-ND 4.0\"}}, \"proof\": {\"type\": \"MerkleProof2019\", \"created\": \"2026-06-02T02:59:59.947487\", \"proofValue\": \"zLBHrm1GqmftAu35gTndQtHSErc2pdrx2dQ69dF9FqvjvqCY71iNnFEaW1kSw5rVcT6XXiWJHY7uUQyKhjPsg32KpHfyMR2GZZkEeY7YvcRRQSAjkkSduAX2KXxWnFFBWFbn27m7m9ritdwzTzbbGFPRNfAqSeGhDKxTqLp4wYgqfAWAuFxDnG3nhyUDCAP1c9BohuH45o3f64tEnAH3LQmJkzGKKixRqz9TtypnELSJwzeMPTWZNPtHhL2PA9N9YvMt3RtbjGaWzRAwebi7Tf2FwujSNmCX7Cygb13 ...\"}

...
@context\": [\"https://www.w3.org/2018/credentials/v1\", \"https://w3id.org/bloxberg/schema/research_object_certificate_v1\"], \"id\": \"https://bloxberg.org\", \"type\": [\"VerifiableCredential\", \"BloxbergCredential\"], \"issuer\": \"https://raw.githubusercontent.com/bloxberg-org/issuer_json_12/master/issuer.json\", \"issuanceDate\": \"2026-06-02T02:59:59.947487\", \"proof\": {\"type\": \"MerkleProof2019\", \"created\": \"2026-06-02T02:59:59.947487\", \"proofValue\": \"zLBHrm1GqmftAu35gTndQtHSErc2pdrx2dQ69dF9FqvjvqCY71iNnFEaW1kSw5rVcT6XXiWJHY7uUQyKhjPsg32KpHfyMR2GZZkEeY7YvcRRQSAjkkSduAX2KXxWnFFBWFbn27m7m9ritdwzTzbbGFPRNfAqSeGhDKxTqLp4wYgqfAWAuFxDnG3nhyUDCAP1c9BohuH45o3f64tEnAH3LQmJkzGKKixRqz9TtypnELSJwzeMPTWZNPtHhL2PA9N9YvMt3RtbjGaWzRAwebi7Tf2FwujSNmCX7Cygb13 ...\"}

...
@context\": [\"https://www.w3.org/2018/credentials/v1\", \"https://w3id.org/bloxberg/schema/research_object_certificate_v1\"], \"id\": \"https://bloxberg.org\", \"type\": [\"VerifiableCredential\", \"BloxbergCredential\"], \"issuer\": \"https://raw.githubusercontent.com/bloxberg-org/issuer_json_12/master/issuer.json\", \"issuanceDate\": \"2026-06-02T02:59:59.947487\", \"proof\": {\"type\": \"MerkleProof2019\", \"created\": \"2026-06-02T02:59:59.947487\", \"proofValue\": \"zLBHrm1GqmftAu35gTndQtHSErc2pdrx2dQ69dF9FqvjvqCY71iNnFEaW1kSw5rVcT6XXiWJHY7uUQyKhjPsg32KpHfyMR2GZZkEeY7YvcRRQSAjkkSduAX2KXxWnFFBWFbn27m7m9ritdwzTzbbGFPRNfAqSeGhDKxTqLp4wYgqfAWAuFxDnG3nhyUDCAP1c9BohuH45o3f64tEnAH3LQmJkzGKKixRqz9TtypnELSJwzeMPTWZNPtHhL2PA9N9YvMt3RtbjGaWzRAwebi7Tf2FwujSNmCX7Cygb13 ...\"}

```
\":{\\"id\\":\\"https://bloxberg.org\\"}},\\"crid\\":\\"5b57331ee65751d0024a3
f47940cdecdeebf27e070c670cdee7e472aaaa274f3\\",\\"cridType\\":\\"sha2-256\\",\\"m
etadatajson\\":{\\"{\\\\"group\\\\":\\\\"ff\\\\", \\\\"user\\\\":\\\\"free\\\\"},
\\\\"ffname\\\\":\\\\"blox_id\\\\", \\\\"publisher\\\\":\\\\"CCN\\\\"},
\\\\"license\\\\":\\\\"CC-BY-NC-ND
4.0\\\\"}\\",\\"proof\\":{\\"type\\":\\"MerkleProof2019\\",\\"created\\":\\"2026-0
6-02T02:59:59.\\
951710\\",\\"proofValue\\":\\"zLBHrm1GqUpCCwm ....
...
"/pdf"
("{"https://www.wolframcloud.com/obj/ccn2/freeform/ff/blockchain/bloxberg2/cert_pdf/ff_free_blox
_id_1.pdf",
\\"https://www.wolframcloud.com/obj/ccn2/freeform/ff/blockchain/bloxberg2/cert_pdf/ff_free_blox_id
_2.pdf",
\\"https://www.wolframcloud.com/obj/ccn2/freeform/ff/blockchain/bloxber2/cert_pdf/ff_free_blox_id_
3.pdf",
\\"https://www.wolframcloud.com/obj/ccn2/freeform/ff/blockchain/bloxberg2/cert_pdf/ff_free_blox_id
_4.pdf",
\\"https://www.wolframcloud.com/obj/ccn2/freeform/ff/blockchain/bloxberg2/cert_pdf/ff_free_blox_id
_5.pdf",
\\"https://www.wolframcloud.com/obj/ccn2/freeform/ff/blockchain/bloxberg2/cert_pdf/ff_free_blox_id
_6.pdf",
\\"https://www.wolframcloud.com/obj/ccn2/freeform/ff/blockchain/bloxberg2/cert_pdf/ff_free_blox_id
_7.pdf"}})"
```

Certificate 1



ISSUES THIS
RESEARCH OBJECT CERTIFICATE
#206

The bloxberg certificate serves as a proof of existence that the data corresponding to the cryptographic identifier were transacted on the bloxberg blockchain at the issued time.

MINTED NFT

<https://explorer.l2.bloxberg.org/token/0x787BE38692557E4f033bd8bE0464cE7fc8F4C41/instance/206>

TRANSACTION DETAILS

0xac074488c5a9fe1693fdaaca828e35f550245b21279edd62cc0f23fc7ea4981f

FILE HASH

00b073dd1b5c4711a5ac5d786c62b7076c6c32ee4822e1d049f72559eae72a7e

TIME STAMP

2026-06-02T02:59:59.959174



Certificate 7



ISSUES THIS
RESEARCH OBJECT CERTIFICATE
#206

The bloxberg certificate serves as a proof of existence that the data corresponding to the cryptographic identifier were transacted on the bloxberg blockchain at the issued time.

MINTED NFT

<https://explorer.l2.bloxberg.org/token/0x787BE38692557E4f033bd8bE0464cE7fc8F4C41/instance/206>

TRANSACTION DETAILS

0xac074488c5a9fe1693fdaaca828e35f550245b21279edd62cc0f23fc7ea4981f

FILE HASH

09789ec41c619eb8bca56c1ec3f89910917dfde6fa4da1c86dc50cdd5125a31f

TIME STAMP

2026-06-02T02:59:59.955489



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Updated 2026-06-02 15:40:43 UTC by Dara