

Use Case

In both [software](#) and [systems engineering](#), a **use case** is a structured description of a system's behavior as it responds to requests from external actors, aiming to achieve a specific goal.

- [Person with Identification Documents](#)

Person with Identification Documents

- 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.





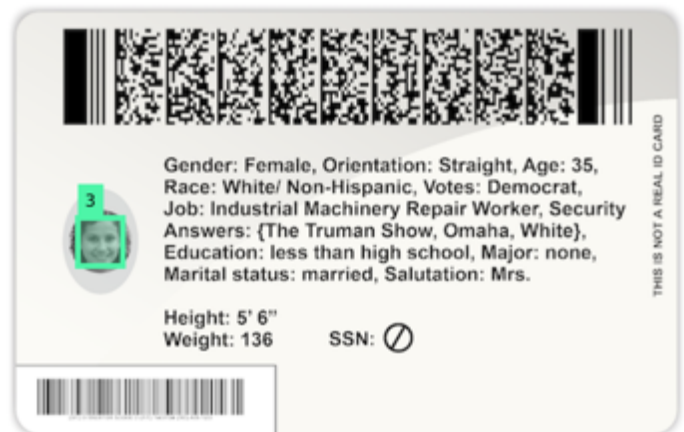
```
//fills in numerous content + metadata into the blockchain;
```

```
.
```

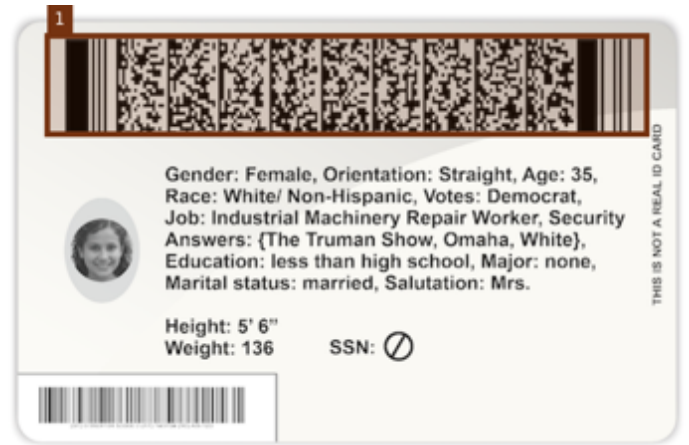
```
show "index";
```

```
save as photo_id;
```

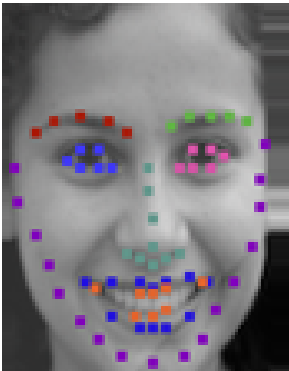
"/index"



"/barsindex"



"/highlight"



"/text"

```
{
  "image_text": "Vi soe VA, USA FEDERAL *LYQIM1A IDENTIFICATION CARD",
  "_#n* a\n716700487 e\nTESSIER 8 Gender: Female, Orientation: Straight,
Age: 35,\nBELLA Fi Race: White\ Non-Hispanic, Votes: Democrat,\nAd
srw aD *B88\"795-a202 5 Job: Industrial Machinery Repair Worker,
Security\n74 IN RD: 5 5 â??Answers: {The Truman Show, Omaha, White},\n
Dato of birt ry Marital status: married, Salutation: Mrs.\nOeio4rt988
A\na ED Height: 5â?? 6â??\ \nF BRO Weight: 136 ssn: Q\nNONE\n\ntek
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/metadatajson",

"[] /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/metadataajson",

"/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\"}}, \"crid\": \"9d05f7aa5009599ded40ff901de8fbce8bedb00004c0e6ad77fd128c7fac6806\", \"cridType\": \"sha2-256\", \"metadata\": {\"group\": \"ff\", \"user\": \"free\", \"ffname\": \"blox_id\", \"publisher\": \"CCN\", \"license\": \"CC-BY-NC-ND 4.0\"}}, \"proof\": {\"type\": \"MerkleProof2019\", \"created\": \"2026-06-02T02:59:59.947487\", \"proofValue\": \"zLBHrm1GqmftAu35gTndQtHSErc2pdrx2dQ69dF9FqvjvqCY71iNnFEaW1kSw5rVcT6XXiWJHY7uUQyKhjPsg32KpHfyMR2GZZkEeY7YvcRRQSAjKksduAX2KXxWnFFBWFbn27m7m9ritdwzTzbbGFPRNfAqSeGhDKxTqLp4wYgqfAWAuFxDnG3nhyUDCAP1c9BohuH45o3f64tEnAH3LQmJkzGKKixRqz9TtypnELSJwzeMPTWZNPTihHhL2PA9N9YvMt3RtbjGaWzRAwebi7Tf2FwujSNmCX7Cygb13 ...\"}

...

@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\": \"2026-06-02T02:59:59.448151+00:00\", \"credentialSubject\": {\"id\": \"https://sepolia.arbiscan.io/address/0xAF3aD7B80e90C0Ca651a8e673E193eCC690BADA8\", \"issuingOrg

```
\":{\\"id\\":\\"https://bloxberg.org\\"}},\\"crid\\":\\"5b57331ee65751d0024a3f47940cdecdeebf27e070c670cdee7e472aaaa274f3\\",\\"cridType\\":\\"sha2-256\\",\\"metadatajson\\":\\"{\\"group\\":\\"ff\\", \\"user\\":\\"free\\", \\"ffname\\":\\"blox_id\\", \\"publisher\\":\\"CCN\\", \\"license\\":\\"CC-BY-NC-ND 4.0\\"}\\",\\"proof\\":{\\"type\\":\\"MerkleProof2019\\",\\"created\\":\\"2026-06-02T02:59:59.\\951710\\",\\"proofValue\\":\\"zLBHrm1GqUpCCwm ....\n...\n"/pdf"\n("{\\"https://www.wolframcloud.com/obj/ccn2/freeform/ff/blockchain/bloxberg2/cert_pdf/ff_free_blox_id_1.pdf\\",\n\\"https://www.wolframcloud.com/obj/ccn2/freeform/ff/blockchain/bloxberg2/cert_pdf/ff_free_blox_id_2.pdf\\",\n\\"https://www.wolframcloud.com/obj/ccn2/freeform/ff/blockchain/bloxber2/cert_pdf/ff_free_blox_id_3.pdf\\",\n\\"https://www.wolframcloud.com/obj/ccn2/freeform/ff/blockchain/bloxberg2/cert_pdf/ff_free_blox_id_4.pdf\\",\n\\"https://www.wolframcloud.com/obj/ccn2/freeform/ff/blockchain/bloxberg2/cert_pdf/ff_free_blox_id_5.pdf\\",\n\\"https://www.wolframcloud.com/obj/ccn2/freeform/ff/blockchain/bloxberg2/cert_pdf/ff_free_blox_id_6.pdf\\",\n\\"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

0xac074488c5a9fef693fdaaca828e35f550245b21279edd862cc0f23fc7ea49B1f

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

0xac074488c5a9fef693fdaaca828e35f550245b21279edd862cc0f23fc7ea49B1f

FILE HASH

09789ec41c619eb8bca56c1ec3f89910917dfde6fa4da1c86dc50cdd5125a31f

TIME STAMP

2026-06-02T02:59:59.955489



