Blockchain Visa

Jodi Sanderson, Kellik Simons, Kevin McClendon, Jesus Izquierdo and Larry Rentz

Total Budget Authority by Organization Gross Discretionary, Mandatory, Fees, and Trust Funds

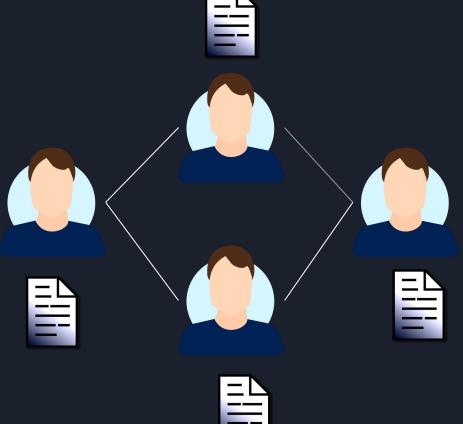
	FY 2015 Revised Enacted			FY 2016 Enacted		FY 2017 Pres. Budget		FY 2017 +/- FY 2016	FY 2017 +/- FY 2016
		\$000		\$000		\$000		\$000	%
Departmental Management and Operations (DMO)	\$	773,428	\$	1,069,328	\$	1,011,511	\$	(57,817)	-5.4%
Analysis and Operations (A&O)		251,804		264,714		265,719		1,005	0.4%
Office of the Inspector General (OIG)		142,617		161,488		181,144		19,656	12.2%
U.S. Customs & Border Protection (CBP)		12,804,651		13,254,127		13,940,997		686,870	5.2%
U.S. Immigration & Customs Enforcement (ICE)		6,190,953		6,154,041		6,230,206		76,165	1.2%
Transportation Security Administration (TSA)		7,377,367		7,440,096		7,589,079		148,983	2.0%
U.S. Coast Guard (USCG)		10,144,470		10,984,634		10,321,548		(663,086)	-6.0%
U.S. Secret Service (USSS)		2,018,035		2,198,545		2,156,119		(42,426)	-1.9%
National Protection and Programs Directorate (NPPD)		2,877,192		3,079,054		3,044,846		(34,208)	-1.1%
Office of Health Affairs (OHA)		129,358		125,369		-		(125,369)	-100.0%
Federal Emergency Management Agency (FEMA)		13,053,665		13,984,971		14,169,074		184,104	1.3%
FEMA: Grant Programs		2,530,000		2,590,000		2,370,729		(219,271)	-8.5%
U.S. Citizenship & Immigration Services (USCIS)		3,541,722		3,610,217		4,018,270		408,053	11.3%
Federal Law Enforcement Training Center (FLETC)		258,338		245,038		242,518		(2,520)	-1.0%
Science & Technology Directorate (S&T)		1,105,058		786,938		758,743		(28,195)	-3.6%
CBRNE		-		-		501,445		501,445	0.0%
Domestic Nuclear Detection Office (DNDO)		307,842		347,120		-		(347,120)	-100.0%
TOTAL BUDGET AUTHORITY:	\$	63,506,499	\$	66,295,680	\$	66,801,948	\$	506,269	0.8%
Less: Mandatory, Fee, and Trust Funds:		(12,874,263)		(13,083,458)		(14,555,664)		(1,472,206)	11.3%
GROSS DISC. BUDGET AUTHORITY:		50,632,236		53,212,222		52,246,284		(965,937)	-1.8%
Less: Discretionary Offsetting Fees:		(3,899,863)		(4,040,389)		(4,965,808)		(925,419)	22.9%
NET DISC. BUDGET AUTHORITY:	\$	46,732,373	\$	49,171,833	\$	47,280,477	\$	(1,891,356)	-3.8%
Less: FEMA Disaster Relief - Major Disasters Cap Adjustment:	\$	(6,437,793)	\$	(6,712,953)	\$	(6,709,000)	\$	3,953	-0.1%
Less: Rescission of Prior-Year Carryover - Regular Appropriations:		(519,372)		(1,506,153)				1,506,153	
ADJUSTED NET DISC. BUDGET AUTHORITY:	\$	39,775,208	\$	40,952,727	\$	40,571,477	\$	(381,250)	-0.9%

Blockchain Visa

A streamlined process for visa applications that utilizes blockchain technology to ensure transparency, security, and accountability.

What is blockchain?

A shared and continually synchronized digital ledger





Why Blockchain

Saves time



Saves

Transaction time from days to near instantaneous

Removes cost



Removes

Overheads and cost intermediaries

Reduce Risk



Reduces risk

Tampering, fraud & cyber crime

Increases Trust



Increases

Through shared processes and recordkeeping

Business Network Architecture

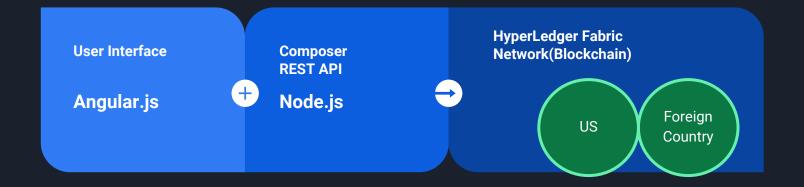


NODE A:
PARTICIPANTS
VISA OFFICERS
BORDER PATROL
CUSTOMS

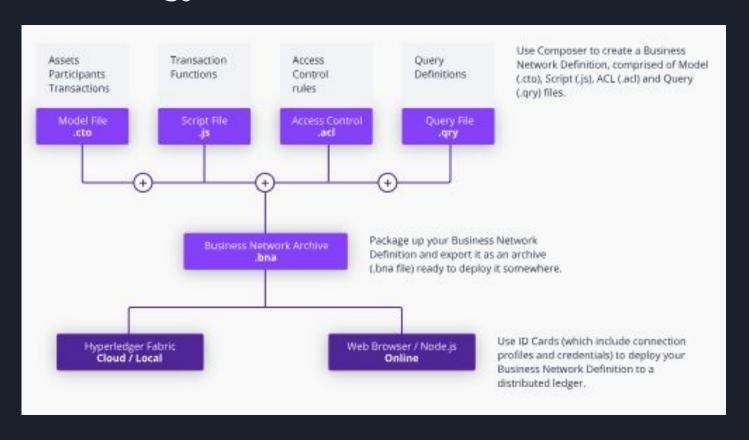
NODE B: TRAVELERS / VISA SEEKING INDIVIDUALS

BLOCKCHAIN VISA TECHNOLOGY

Technology Architecture



Technology Architecture for Blockchain Visa



Target Market

U.S. Homeland Security

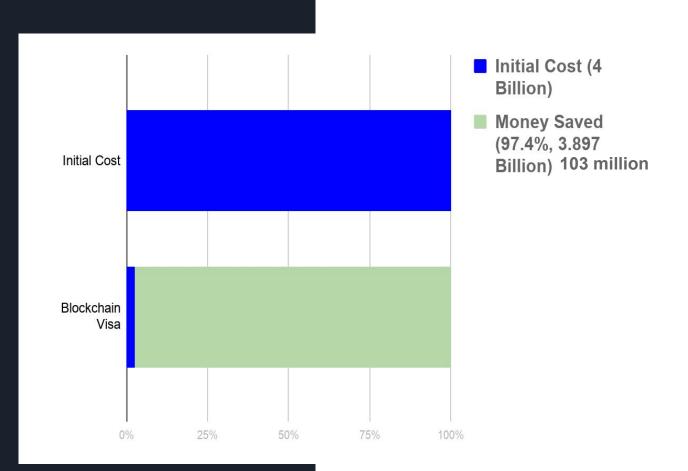
- Distribute, receive and process visa applications
- Average time to process visa application - 4 months
- Over 9 million visas were issued in 2018
- Over 13 million visa applications processed

Benefits

Accountability - Each department has access to the status of an application

Security - Blockchain technology is resilient to malicious data manipulation

Transparency - Provide applicant with information regarding their application in an efficient manner

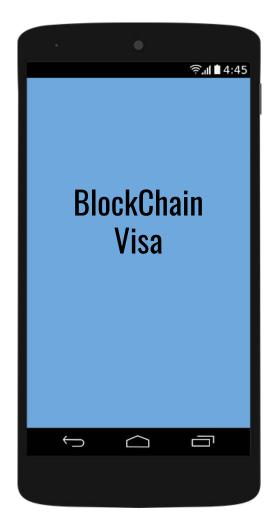




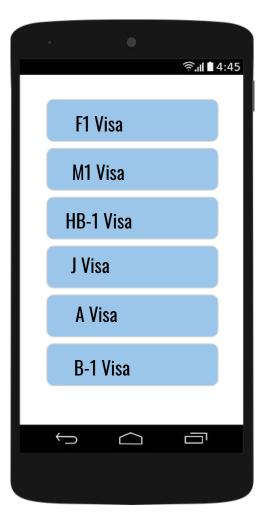
Barriers to success

Adaptability

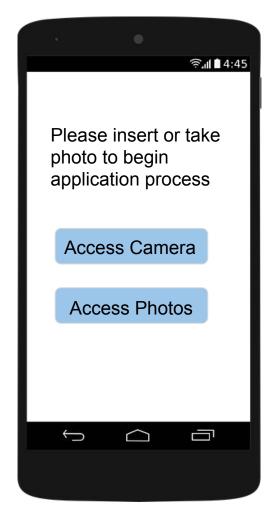


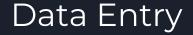


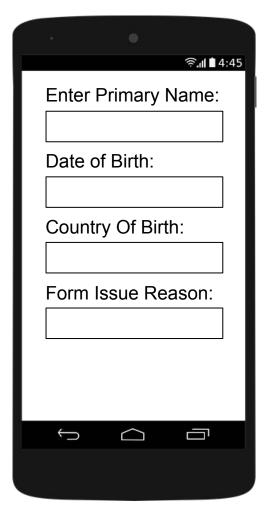
Menu Options



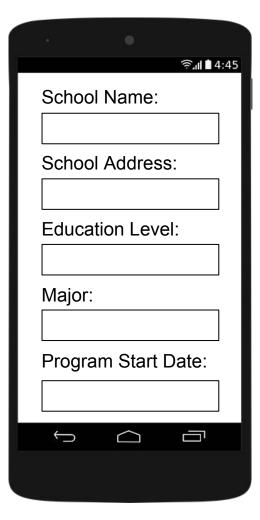
Menu Options











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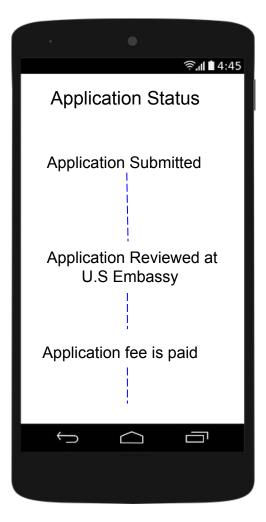
OMB NO. 1653-0038 U.S. Immigration and Customs Enforcement SEVIS ID: N0004705859 SURNAME/PRIMARY NAME GIVEN NAME PREFERRED NAME PASSPORT NAME COUNTRY OF BIRTH COUNTRY OF CITIZENSHIP UNITED KINGDOM UNITED KINGDOM DATE OF BIRTH ADMISSION NUMBER ACADEMIC AND FORM ISSUE REASON LEGACY NAME LANGUAGE Jay SamOne SCHOOL INFORMATION SEVP School for Advanced SEVIS Studies SEVP School for Advanced SEVIS Studies 9002 Namcy Lane, Ft. Washington, MD 20744 SCHOOL OFFICIAL TO CONTACT UPON ARRIVAL SCHOOL CODE AND APPROVAL DATE Helene Robertson BAL214F4444400 03 APRIL 2015 PROGRAM OF STUDY EDUCATION LEVEL MATOR 1 Mechanical Engineering 14.1901 Forest Engineering 14.3401 NORMAL PROGRAM LENGTH PROGRAM ENGLISH PROFICIENCY ENGLISH PROFICIENCY NOTES Student is proficient PROGRAM START DATE 01 SEPTEMBER 2011 PROGRAM END DATE 20 MAY 2015 ESTIMATED AVERAGE COSTS FOR: 4 MONTHS STUDENT'S FUNDING FOR: 4 MONTHS uition and Fees Personal Funds Funding.School.Remarks Expenses of Dependents (0) Funding.Other.Remarks opense. Other. Remarks On-Campus Employment TOTAL 3 26 REMARKS finished program - applying for OFT Earthy under goalthy of paperty at an information provided flows was exceed before I upon this form not it is used concer. It execute this form in the Tailman form the Tailman form of th esignated school official of the above named school and am authorized to issue this form. DATE ISSUED PLACE ISSUED SIGNATURE OF: Helene Robertson, PDSO 15 October 2015 Ft. Washington, MD STUDENT ATTESTATION I have read and agreed to comply with the terms and conditions of my admission and those of any extension of stay. I certify that all information provided on this form names are all an argument or country was not retain that contains that our way alliance on months of the period of the property of the property of the period of the property suant to 8 CFR 214.3(g) to determine my nonimmigrant status. Parent or guardian, and student, must sign if student is under 18. SIGNATURE OF: Student Sample STEM NAME OF PARENT OR GUARDIAN SIGNATURE ADDRESS (city/state or province/country) DATE







Application Status





BlockChain User Interface (Case Manager)

Case Manager 1 Dashboard

Applicant 12345 has submitted application for F-1 Visa

Applicant 13471 has submitted application for M-1 Visa

Applicant 34210 has submitted application for F-1 Visa

BlockChain User Interface

Case Manager 1 Dashboard

Applicant 12345



Request or View Documents

Schedule Interview

Approve Application

Thank You Questions?