



DoD FY 2021 Cloud Profile and Budget Estimates

Department of Defense
FOR OPEN PUBLICATION AND SECURITY REVIEW

MilDep and Defense Wide Breakout by Appropriations (Dollars in Thousands)

		FY 2019 TOA			FY 2020 Request			FY 2021 Budget		
Organization	Appropriation	Commercial	In-House	Total	Commercial	In-House	Total	Commercial	In-House	Total
ARMY	Operations (O&M)	\$ 9,403	\$ 875	\$ 10,278	\$ 37,618	\$ 906	\$ 38,524	\$ 35,612	\$ 740	\$ 36,352
	Procurement	\$ -	\$ -	\$ -	\$ 2,445	\$ -	\$ 2,445	\$ 2,703	\$ -	\$ 2,703
	RDT&E	\$ 11,192	\$ -	\$ 11,192	\$ 1,901	\$ -	\$ 1,901	\$ 1,904	\$ -	\$ 1,904
ARMY Subtotal		\$ 20,595	\$ 875	\$ 21,470	\$ 41,964	\$ 906	\$ 42,870	\$ 40,219	\$ 740	\$ 40,959
NAVY	DWCF	\$ 18	\$ 240	\$ 258	\$ 816	\$ 270	\$ 1,086	\$ 1,403	\$ 270	\$ 1,673
	Operations (O&M)	\$ 68,038	\$ 13,695	\$ 81,733	\$ 84,278	\$ 31,702	\$ 115,980	\$ 71,512	\$ 8,834	\$ 80,346
	Procurement	\$ 715	\$ -	\$ 715	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	RDT&E	\$ 2,889	\$ 300	\$ 3,189	\$ 6,438	\$ 300	\$ 6,738	\$ 15,434	\$ -	\$ 15,434
NAVY Subtotal		\$ 71,660	\$ 14,235	\$ 85,895	\$ 91,532	\$ 32,272	\$ 123,804	\$ 88,349	\$ 9,104	\$ 97,453
AIR FORCE	DWCF	\$ 6,502	\$ -	\$ 6,502	\$ 6,932	\$ -	\$ 6,932	\$ 8,516	\$ -	\$ 8,516
	MILPERS	\$ 1,650	\$ -	\$ 1,650	\$ 1,650	\$ -	\$ 1,650	\$ 1,650	\$ -	\$ 1,650
	Operations (O&M)	\$ 38,265	\$ 2,012	\$ 40,277	\$ 35,358	\$ 307	\$ 35,665	\$ 74,250	\$ -	\$ 74,250
	Procurement	\$ 295	\$ -	\$ 295	\$ 590	\$ -	\$ 590	\$ 590	\$ -	\$ 590
	RDT&E	\$ 1,239	\$ -	\$ 1,239	\$ 1,116	\$ -	\$ 1,116	\$ 832	\$ -	\$ 832
AIR FORCE Subtotal		\$ 47,951	\$ 2,012	\$ 49,963	\$ 45,646	\$ 307	\$ 45,953	\$ 85,838	\$ -	\$ 85,838
DEFENSE WIDE	DWCF	\$ 25,642	\$ 42,161	\$ 67,803	\$ 20,443	\$ 25,602	\$ 46,045	\$ 20,853	\$ 26,398	\$ 47,251
	Operations (O&M)	\$ 14,885	\$ 4,346	\$ 19,231	\$ 71,282	\$ 4,524	\$ 75,806	\$ 57,173	\$ 5,070	\$ 62,243
	Procurement	\$ 2,272	\$ -	\$ 2,272	\$ 913	\$ -	\$ 913	\$ 932	\$ -	\$ 932
	RDT&E	\$ 4,242	\$ -	\$ 4,242	\$ 4,150	\$ -	\$ 4,150	\$ 5,730	\$ -	\$ 5,730
DEFENSE WIDE Subtotal		\$ 47,041	\$ 46,507	\$ 93,548	\$ 96,788	\$ 30,126	\$ 126,914	\$ 84,688	\$ 31,468	\$ 116,156
Cloud Total		\$ 187,247	\$ 63,629	\$ 250,876	\$ 275,930	\$ 63,611	\$ 339,541	\$ 299,094	\$ 41,312	\$ 340,406
Cloud Migration Total				\$ 378,382			\$ 257,970			\$ 447,338
Total DoD Cloud				\$ 629,258			\$ 597,511			\$ 787,744



MilDep and Defense Wide Breakout by Appropriations (Dollars in Thousands)

Commercial vs In-House Breakout						
Commercial Cloud						
Cloud Provider	Cloud Service Name	Cloud Service	Appropriation	FY 2019 TOA	FY 2020 Request	FY 2021 Budget
Advanced Computer Concepts	College Net 25Live	SaaS	Operations (O&M)	\$ 509	\$ 103	\$ 107
Advanced Computer Concepts Subtotal				\$ 509	\$ 103	\$ 107
Advantage	US GovCloud Level 2	IaaS	Operations (O&M)	\$ 33,876	\$ 964	\$ 9,893
Advantage Subtotal				\$ 33,876	\$ 964	\$ 9,893
Alion IPS Corporation	AWS Cloud	SaaS	Operations (O&M)	\$ 2,386	\$ 3,298	\$ 4,095
	AWS Cloud	SaaS	Procurement	\$ 550	\$ -	\$ -
	AWS Cloud	SaaS	RDT&E	\$ 210	\$ 78	\$ 80
Alion IPS Corporation Subtotal				\$ 3,146	\$ 3,376	\$ 4,175
AWS	East/West Region -IL2	IaaS	Operations (O&M)	\$ 2,843	\$ 2,918	\$ -
	East/West Region -IL2	PaaS	Operations (O&M)	\$ 12	\$ 120	\$ 120
	GovCloud -IL2	IaaS	Operations (O&M)	\$ 13,617	\$ 11,022	\$ 10,881
	GovCloud -IL2	PaaS	Operations (O&M)	\$ 1,189	\$ 3,085	\$ 3,124
	GovCloud -IL2	SaaS	Operations (O&M)	\$ 7	\$ 463	\$ 471
	GovCloud -IL4	IaaS	Operations (O&M)	\$ 6,857	\$ 5,248	\$ 6,318
	GovCloud -IL4	PaaS	Operations (O&M)	\$ 43	\$ 271	\$ 43
	GovCloud -IL4	SaaS	Operations (O&M)	\$ 235	\$ 240	\$ 240
	GovCloud -IL4	IaaS	Procurement	\$ 295	\$ 590	\$ 590
	GovCloud -IL4	PaaS	Procurement	\$ -	\$ 2,445	\$ 2,703
	GovCloud -IL4	IaaS	RDT&E	\$ 1,505	\$ 3,159	\$ 4,507
	GovCloud -IL4	PaaS	RDT&E	\$ 11,192	\$ 1,892	\$ 1,892
	GovCloud -IL5	IaaS	Operations (O&M)	\$ -	\$ 10,461	\$ 9,714
	GovCloud -IL5	IaaS	Procurement	\$ 2,272	\$ 913	\$ 932
	GovCloud -IL5	IaaS	RDT&E	\$ 1,792	\$ -	\$ -
AWS Subtotal				\$ 41,859	\$ 42,827	\$ 41,535
Blackboard Inc.	Blackboard Cloud	SaaS	Operations (O&M)	\$ 827	\$ 829	\$ 846
Blackboard Inc. Subtotal				\$ 827	\$ 829	\$ 846
Box	DoD Box -IL4	SaaS	RDT&E	\$ 605	\$ 605	\$ 605
Box Subtotal				\$ 605	\$ 605	\$ 605
Capstone Corporation	AWS East/West Region	IaaS	Operations (O&M)	\$ -	\$ 63,792	\$ 40,456
Capstone Corporation Subtotal				\$ -	\$ 63,792	\$ 40,456
Carahsoft	AWS East/West Region	SaaS	Operations (O&M)	\$ 68	\$ 52	\$ 54
Carahsoft Subtotal				\$ 68	\$ 52	\$ 54



Commercial vs In-House Breakout

Commercial Cloud (Continued)

Cloud Provider	Cloud Service Name	Cloud Service	Appropriation	FY 2019 TOA	FY 2020 Request	FY 2021 Budget
CGI Federal	CGI IaaS Cloud -IL2	PaaS	Operations (O&M)	\$ 1,426	\$ 1,088	\$ 1,121
	CGI IaaS Cloud -IL2	PaaS	RDT&E	\$ 1,100	\$ 2,600	\$ 4,500
CGI Federal Subtotal				\$ 2,526	\$ 3,688	\$ 5,621
CSRA LLC	AWS Cloud	PaaS	DWCF	\$ 138	\$ 552	\$ 1,134
	AWS Cloud	PaaS	Operations (O&M)	\$ 6,423	\$ 1,353	\$ 9,975
	AWS Cloud	PaaS	Procurement	\$ 165	\$ -	\$ -
	AWS Cloud	PaaS	RDT&E	\$ 1,178	\$ 3,260	\$ 10,290
	Azure Cloud	IaaS	DWCF	\$ 18	\$ 252	\$ 252
CSRA LLC Subtotal				\$ 7,922	\$ 5,417	\$ 21,651
Daston Corporation	Google Apps	PaaS	Operations (O&M)	\$ 564	\$ 369	\$ 421
Daston Corporation Subtotal				\$ 564	\$ 369	\$ 421
Datson Corporation	BetterCloud	SaaS	Operations (O&M)	\$ 74	\$ 75	\$ 77
Datson Corporation Subtotal				\$ 74	\$ 75	\$ 77
Disys Solutions	CISCO Meraki	SaaS	Operations (O&M)	\$ 176	\$ 180	\$ 183
Disys Solutions Subtotal				\$ 176	\$ 180	\$ 183
DLT Solutions	Google Apps Unlimited	SaaS	Operations (O&M)	\$ 323	\$ 331	\$ 338
DLT Solutions Subtotal				\$ 323	\$ 331	\$ 338
ECS Federal, LLC	AWS IL4 and IL5	PaaS	DWCF	\$ 18,655	\$ 13,055	\$ 13,316
ECS Federal, LLC Subtotal				\$ 18,655	\$ 13,055	\$ 13,316
Hobsons, Inc.	Starfish Cloud	SaaS	Operations (O&M)	\$ 30	\$ 23	\$ 24
Hobsons, Inc. Subtotal				\$ 30	\$ 23	\$ 24
IBM	SCG IL5 -IL5	IaaS	DWCF	\$ 2,143	\$ 2,186	\$ 2,230
IBM Subtotal				\$ 2,143	\$ 2,186	\$ 2,230
J. Walter Thompson (JWT) USA, LLC	AWS Cloud	IaaS	Operations (O&M)	\$ 3,900	\$ 3,982	\$ 4,050
J. Walter Thompson (JWT) USA, LLC Subtotal				\$ 3,900	\$ 3,982	\$ 4,050
JHC Technology	US GovCloud (Level 4)	IaaS	Operations (O&M)	\$ 171	\$ 56	\$ 55
JHC Technology Subtotal				\$ 171	\$ 56	\$ 55
Microsoft	Azure -IL2	IaaS	DWCF	\$ 11	\$ 11	\$ 12
	Azure -IL2	PaaS	MILPERS	\$ 150	\$ 150	\$ 150



Commercial vs In-House Breakout

Commercial Cloud (Continued)

Cloud Provider	Cloud Service Name	Cloud Service	Appropriation	FY 2019 TOA	FY 2020 Request	FY 2021 Budget
	Azure -IL2	PaaS	Operations (O&M)	\$ 3,247	\$ 12,022	\$ 54,289
	Azure -IL2	PaaS	RDT&E	\$ 649	\$ 526	\$ 537
	Azure -IL4	IaaS	DWCF	\$ 567	\$ 578	\$ 590
	Azure -IL4	IaaS	Operations (O&M)	\$ 3,631	\$ 3,496	\$ 3,671
	Azure -IL4	PaaS	Operations (O&M)	\$ 1	\$ 1	\$ 1
	Azure -IL5	IaaS	DWCF	\$ 1,985	\$ 2,025	\$ 2,065
	Azure -IL5	IaaS	Operations (O&M)	\$ 4,154	\$ 7,651	\$ 6,876
	MS-O365-vNext -IL5	SaaS	Operations (O&M)	\$ -	\$ 3,461	\$ 3,188
Microsoft Subtotal				\$ 14,395	\$ 29,921	\$ 71,379
New Tech Solutions	Verient EFM	SaaS	Operations (O&M)	\$ 51	\$ 52	\$ 53
New Tech Solutions Subtotal				\$ 51	\$ 52	\$ 53
Okta	Identity as a Service (IDaaS) -IL2	SaaS	RDT&E	\$ 925	\$ 925	\$ 925
Okta Subtotal				\$ 925	\$ 925	\$ 925
Oracle	FMCS -IL5	IaaS	Operations (O&M)	\$ 1,993	\$ 2,108	\$ 10,250
Oracle Subtotal				\$ 1,993	\$ 2,108	\$ 10,250
Panopto, Inc.	Cypress Cloud	SaaS	Operations (O&M)	\$ 482	\$ 551	\$ 563
Panopto, Inc. Subtotal				\$ 482	\$ 551	\$ 563
Preservica Inc.	Preservica Cloud	SaaS	Operations (O&M)	\$ 9	\$ 9	\$ 9
Preservica Inc. Subtotal				\$ 9	\$ 9	\$ 9
Red River Technology	United States GovCloud (Level 2)	PaaS	Operations (O&M)	\$ 158	\$ 200	\$ 165
	United States GovCloud (Level 2)	PaaS	RDT&E	\$ 171	\$ 320	\$ 320
	US GovCloud (Level 4)	IaaS	DWCF	\$ -	\$ 114	\$ 121
	US GovCloud (Level 4)	IaaS	Operations (O&M)	\$ 7,427	\$ 3,865	\$ 4,509
	US GovCloud (Level 4)	IaaS	RDT&E	\$ 235	\$ 240	\$ 244
Red River Technology Subtotal				\$ 7,991	\$ 4,739	\$ 5,359
SalesForce	SalesForce GovCloud -IL2	SaaS	Operations (O&M)	\$ 84	\$ -	\$ -
SalesForce Subtotal				\$ 84	\$ -	\$ -
SAP NS2	SNSFS-DoD=IL4	SaaS	DWCF	\$ 2,143	\$ 2,486	\$ 2,536
SAP NS2 Subtotal				\$ 2,143	\$ 2,486	\$ 2,536
ServiceNow	Service Automation Government Cloud Suite -IL2	SaaS	Operations (O&M)	\$ 1,500	\$ 3,200	\$ 3,284



Commercial vs In-House Breakout

Commercial Cloud (Continued)

Cloud Provider	Cloud Service Name	Cloud Service	Appropriation	FY 2019 TOA	FY 2020 Request	FY 2021 Budget
ServiceNow Subtotal				\$ 1,500	\$ 3,200	\$ 3,284
Sirsi Corporation	Symphony Cloud	SaaS	Operations (O&M)	\$ 15	\$ 59	\$ 60
Sirsi Corporation Subtotal				\$ 15	\$ 59	\$ 60
Smartronix, Inc.	US GovCloud Level 4	IaaS	Operations (O&M)	\$ 6,300	\$ -	\$ -
Smartronix, Inc. Subtotal				\$ 6,300	\$ -	\$ -
TBD (Commercial)	TBD	IaaS	DWCF	\$ 6,502	\$ 6,932	\$ 8,516
	TBD	IaaS	MILPERS	\$ 1,500	\$ 1,500	\$ 1,500
	TBD	IaaS	Operations (O&M)	\$ 16,935	\$ 79,165	\$ 46,603
	TBD	SaaS	Operations (O&M)	\$ 6,727	\$ 1	\$ 1
TBD (Commercial) Subtotal				\$ 31,664	\$ 87,598	\$ 56,620
Tundra Federal LLC	SalesForce Government Cloud	SaaS	Operations (O&M)	\$ 2,190	\$ 2,234	\$ 2,278
Tundra Federal LLC Subtotal				\$ 2,190	\$ 2,234	\$ 2,278
Ungerboeck Systems International	Ungerboeck Cloud	SaaS	Operations (O&M)	\$ 67	\$ 68	\$ 70
Ungerboeck Systems International Subtotal				\$ 67	\$ 68	\$ 70
Veteran Information Technologies	FireEye Email Threat Prevention Cloud	SaaS	Operations (O&M)	\$ 64	\$ 70	\$ 71
Veteran Information Technologies Subtotal				\$ 64	\$ 70	\$ 71
DoD Commercial Cloud Total				\$ 187,247	\$ 275,930	\$ 299,094



MilDep and Defense Wide Breakout by Appropriations (Dollars in Thousands)

Commercial vs In-House Breakout						
In-House						
Organization	Cloud Service Name	Cloud Service	Appropriation	FY 2019 TOA	FY 2020 Request	FY 2021 Budget
All	milCloud 1.0 -IL5	PaaS	DWCF	\$3,613	\$3,476	\$3,476
	milCloud 1.0 -IL5	PaaS	Operations (O&M)	\$7,008	\$5,506	\$5,570
	milCloud 1.0 -IL5	SaaS	Operations (O&M)	\$225	\$231	\$240
	Ex Libris	PaaS	Operations (O&M)	\$305	\$5	\$5
	AWS GovCloud	IaaS	DWCF	\$230	\$250	\$250
	AWS GovCloud	IaaS	Operations (O&M)	\$12,940	\$30,712	\$7,829
	AWS GovCloud	SaaS	Operations (O&M)	\$450	\$985	\$1,000
	AWS GovCloud	IaaS	RDT&E	\$300	\$300	\$0
	SDDC In-House IaaS	PaaS	DWCF	\$11,065	\$9,026	\$9,206
	AMC In-House IaaS	PaaS	DWCF	\$27,493	\$13,120	\$13,736
DoD In-House Cloud Total				\$63,629	\$63,611	\$41,312



MilDep and Defense Wide Target Cloud Migration Profile (Dollars in Thousands)				
Organization	Appropriation Type	FY 2019 TOA	FY 2020 Request	FY 2021 Budget
AIR FORCE	DWCF	\$ 933	\$ 995	\$ 924
	MILPERS	\$ -	\$ 120	\$ 120
	Operations	\$ 101,184	\$ 108,585	\$ 108,884
	Procurement	\$ 2,653	\$ 3,518	\$ 5,513
	RDT&E	\$ 4,742	\$ 20,886	\$ 48,683
AIR FORCE Subtotal		\$ 109,512	\$ 134,104	\$ 164,124
ARMY	Operations	\$ 197,446	\$ 83,065	\$ 266,658
	Procurement	\$ 2,150	\$ 2,150	\$ 3,702
	RDT&E	\$ 5,758	\$ 2,272	\$ 105
ARMY Subtotal		\$ 205,354	\$ 87,487	\$ 270,465
NAVY	DWCF	\$ 105	\$ 692	\$ -
	Operations	\$ 49,444	\$ 8,766	\$ 5,382
	Procurement	\$ -	\$ 1,000	\$ -
	RDT&E	\$ 9,072	\$ 12,600	\$ -
NAVY Subtotal		\$ 58,621	\$ 23,058	\$ 5,382
DEFENSE WIDE	DWCF	\$ -	\$ 9,437	\$ 4,294
	Operations	\$ 3,395	\$ 2,884	\$ 2,073
	RDT&E	\$ 1,500	\$ 1,000	\$ 1,000
DEFENSE WIDE Subtotal		\$ 4,895	\$ 13,321	\$ 7,367
DoD Total		\$ 378,382	\$ 257,970	\$ 447,338



Army FY 2021 President's Budget Request (PB) Cloud Profile

Army Breakout by Appropriations (Dollars in Thousands)

Organization	Appropriation	FY 2019 TOA			FY 2020 Request			FY 2021 Budget		
		Commercial	In-House	Total	Commercial	In-House	Total	Commercial	In-House	Total
ARMY	Operations (O&M)	\$ 9,403	\$ 875	\$ 10,278	\$ 37,618	\$ 906	\$ 38,524	\$ 35,612	\$ 740	\$ 36,352
	Procurement	\$ -	\$ -	\$ -	\$ 2,445	\$ -	\$ 2,445	\$ 2,703	\$ -	\$ 2,703
	RDT&E	\$ 11,192	\$ -	\$ 11,192	\$ 1,901	\$ -	\$ 1,901	\$ 1,904	\$ -	\$ 1,904
ARMY Total		\$ 20,595	\$ 875	\$ 21,470	\$ 41,964	\$ 906	\$ 42,870	\$ 40,219	\$ 740	\$ 40,959



Army FY 2021 President's Budget Request (PB) Cloud Profile

Commercial vs In-House Breakout						
Commercial Cloud						
Cloud Provider	Cloud Service Name	Cloud Service	Appropriation	FY 2019 TOA	FY 2020 Request	FY 2021 Budget
AWS	GovCloud -IL2	PaaS	Operations (O&M)	\$ -	\$ 2,585	\$ 2,661
	GovCloud -IL4	IaaS	Operations (O&M)	\$ 2,355	\$ 1,334	\$ 1,356
	GovCloud -IL4	PaaS	Operations (O&M)	\$ 43	\$ 271	\$ 43
	GovCloud -IL4	SaaS	Operations (O&M)	\$ 235	\$ 240	\$ 240
	GovCloud -IL4	PaaS	Procurement	\$ -	\$ 2,445	\$ 2,703
	GovCloud -IL4	IaaS	RDT&E	\$ -	\$ 9	\$ 12
	GovCloud -IL4	PaaS	RDT&E	\$ 11,192	\$ 1,892	\$ 1,892
	GovCloud -IL5	IaaS	Operations (O&M)	\$ -	\$ 10,043	\$ 9,282
	AWS Subtotal				\$ 13,825	\$ 18,819
CSRA LLC	AWS Cloud	PaaS	Operations (O&M)	\$ 215	\$ 212	\$ -
CSRA LLC Subtotal				\$ 215	\$ 212	\$ -
Microsoft	Azure -IL2	PaaS	Operations (O&M)	\$ 1	\$ 9,701	\$ 9,701
	Azure -IL4	IaaS	Operations (O&M)	\$ 3,631	\$ 3,496	\$ 3,671
	Azure -IL4	PaaS	Operations (O&M)	\$ 1	\$ 1	\$ 1
	Azure -IL5	IaaS	Operations (O&M)	\$ 2,922	\$ 6,274	\$ 5,469
	MS-O365-vNext -IL5	SaaS	Operations (O&M)	\$ -	\$ 3,461	\$ 3,188
Microsoft Subtotal				\$ 6,555	\$ 22,933	\$ 22,030
ARMY Commercial Cloud Total				\$ 20,595	\$ 41,964	\$ 40,219



Army FY 2021 President's Budget Request (PB) Cloud Profile

Commercial vs In-House Breakout

In-House						
Organization	Cloud Service Name	Cloud Service	Appropriation	FY 2019 TOA	FY 2020 Request	FY 2021 Budget
ARMY	milCloud 1.0 -IL5	PaaS	Operations (O&M)	\$650	\$675	\$500
	milCloud 1.0 -IL5	SaaS	Operations (O&M)	\$225	\$231	\$240
ARMY In-House Cloud Total				\$875	\$906	\$740



Navy FY 2021 President's Budget Request (PB) Cloud Profile

Navy Breakout by Appropriations (Dollars in Thousands)										
Organization	Appropriation	FY 2019 TOA			FY 2020 Request			FY 2021 Budget		
		Commercial	In-House	Total	Commercial	In-House	Total	Commercial	In-House	Total
NAVY	DWCF	\$ 18	\$ 240	\$ 258	\$ 816	\$ 270	\$ 1,086	\$ 1,403	\$ 270	\$ 1,673
	Operations (O&M)	\$ 68,038	\$ 13,695	\$ 81,733	\$ 84,278	\$ 31,702	\$ 115,980	\$ 71,512	\$ 8,834	\$ 80,346
	Procurement	\$ 715	\$ -	\$ 715	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	RDT&E	\$ 2,889	\$ 300	\$ 3,189	\$ 6,438	\$ 300	\$ 6,738	\$ 15,434	\$ -	\$ 15,434
NAVY Total		\$ 71,660	\$ 14,235	\$ 85,895	\$ 91,532	\$ 32,272	\$ 123,804	\$ 88,349	\$ 9,104	\$ 97,453



Navy FY 2021 President's Budget Request (PB) Cloud Profile

Commercial vs In-House Breakout						
Commercial Cloud						
Cloud Provider	Cloud Service Name	Cloud Service	Appropriation	FY 2019 TOA	FY 2020 Request	FY 2021 Budget
Advanced Computer Concepts	College Net 25Live	SaaS	Operations (O&M)	\$ 509	\$ 103	\$ 107
Advanced Computer Concepts Subtotal				\$ 509	\$ 103	\$ 107
Advantage	US GovCloud Level 2	IaaS	Operations (O&M)	\$ 33,876	\$ 964	\$ 9,893
Advantage Subtotal				\$ 33,876	\$ 964	\$ 9,893
Alion IPS Corporation	AWS Cloud	SaaS	Operations (O&M)	\$ 2,386	\$ 3,298	\$ 4,095
	AWS Cloud	SaaS	Procurement	\$ 550	\$ -	\$ -
	AWS Cloud	SaaS	RDT&E	\$ 210	\$ 78	\$ 80
Alion IPS Corporation Subtotal				\$ 3,146	\$ 3,376	\$ 4,175
AWS	East/West Region -IL2	PaaS	Operations (O&M)	\$ 12	\$ 120	\$ 120
	GovCloud -IL2	PaaS	Operations (O&M)	\$ 1,189	\$ 500	\$ 463
	GovCloud -IL2	SaaS	Operations (O&M)	\$ 7	\$ 463	\$ 471
AWS Subtotal				\$ 1,208	\$ 1,083	\$ 1,054
Blackboard Inc.	Blackboard Cloud	SaaS	Operations (O&M)	\$ 827	\$ 829	\$ 846
Blackboard Inc. Subtotal				\$ 827	\$ 829	\$ 846
Capstone Corporation	AWS East/West Region	IaaS	Operations (O&M)	\$ -	\$ 63,792	\$ 40,456
Capstone Corporation Subtotal				\$ -	\$ 63,792	\$ 40,456
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Carahsoft Subtotal				\$ 68	\$ 52	\$ 54
CGI Federal	CGI IaaS Cloud -IL2	PaaS	Operations (O&M)	\$ 1,426	\$ 1,088	\$ 1,121
	CGI IaaS Cloud -IL2	PaaS	RDT&E	\$ 1,100	\$ 2,600	\$ 4,500
CGI Federal Subtotal				\$ 2,526	\$ 3,688	\$ 5,621
CSRA LLC	AWS Cloud	PaaS	DWCF	\$ -	\$ 450	\$ 1,030
	AWS Cloud	PaaS	Operations (O&M)	\$ 5,737	\$ 945	\$ 960
	AWS Cloud	PaaS	Procurement	\$ 165	\$ -	\$ -
	AWS Cloud	PaaS	RDT&E	\$ 1,173	\$ 3,200	\$ 10,290
	Azure Cloud	IaaS	DWCF	\$ 18	\$ 252	\$ 252
CSRA LLC Subtotal				\$ 7,093	\$ 4,847	\$ 12,532
Daston Corporation	Google Apps	PaaS	Operations (O&M)	\$ 564	\$ 369	\$ 421
Daston Corporation Subtotal				\$ 564	\$ 369	\$ 421
Datson Corporation	BetterCloud	SaaS	Operations (O&M)	\$ 74	\$ 75	\$ 77
Datson Corporation Subtotal				\$ 74	\$ 75	\$ 77



Navy FY 2021 President's Budget Request (PB) Cloud Profile

Commercial vs In-House Breakout

Commercial Cloud (Continued)

Cloud Provider	Cloud Service Name	Cloud Service	Appropriation	FY 2019 TOA	FY 2020 Request	FY 2021 Budget
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DLT Solutions	Google Apps Unlimited	SaaS	Operations (O&M)	\$ 323	\$ 331	\$ 338
DLT Solutions Subtotal				\$ 323	\$ 331	\$ 338
Hobsons, Inc.	Starfish Cloud	SaaS	Operations (O&M)	\$ 30	\$ 23	\$ 24
Hobsons, Inc. Subtotal				\$ 30	\$ 23	\$ 24
J. Walter Thompson (JWT) USA, LLC	AWS Cloud	IaaS	Operations (O&M)	\$ 3,900	\$ 3,982	\$ 4,050
J. Walter Thompson (JWT) USA, LLC Subtotal				\$ 3,900	\$ 3,982	\$ 4,050
JHC Technology	US GovCloud (Level 4)	IaaS	Operations (O&M)	\$ 171	\$ 56	\$ 55
JHC Technology Subtotal				\$ 171	\$ 56	\$ 55
New Tech Solutions	Verient EFM	SaaS	Operations (O&M)	\$ 51	\$ 52	\$ 53
New Tech Solutions Subtotal				\$ 51	\$ 52	\$ 53
Panopto, Inc.	Cypress Cloud	SaaS	Operations (O&M)	\$ 482	\$ 551	\$ 563
Panopto, Inc. Subtotal				\$ 482	\$ 551	\$ 563
Preservica Inc.	Preservica Cloud	SaaS	Operations (O&M)	\$ 9	\$ 9	\$ 9
Preservica Inc. Subtotal				\$ 9	\$ 9	\$ 9
Red River Technology	United States GovCloud (Level 2)	PaaS	Operations (O&M)	\$ 158	\$ 200	\$ 165
	United States GovCloud (Level 2)	PaaS	RDT&E	\$ 171	\$ 320	\$ 320
	US GovCloud (Level 4)	IaaS	DWCF	\$ -	\$ 114	\$ 121
	US GovCloud (Level 4)	IaaS	Operations (O&M)	\$ 7,427	\$ 3,865	\$ 4,509
	US GovCloud (Level 4)	IaaS	RDT&E	\$ 235	\$ 240	\$ 244
Red River Technology Subtotal				\$ 7,991	\$ 4,739	\$ 5,359
Sirsi Corporation	Symphony Cloud	SaaS	Operations (O&M)	\$ 15	\$ 59	\$ 60
Sirsi Corporation Subtotal				\$ 15	\$ 59	\$ 60
Smartronix, Inc.	US GovCloud Level 4	IaaS	Operations (O&M)	\$ 6,300	\$ -	\$ -
Smartronix, Inc. Subtotal				\$ 6,300	\$ -	\$ -
Tundra Federal LLC	SalesForce Government Cloud	SaaS	Operations (O&M)	\$ 2,190	\$ 2,234	\$ 2,278
Tundra Federal LLC Subtotal				\$ 2,190	\$ 2,234	\$ 2,278



Navy FY 2021 President's Budget Request (PB) Cloud Profile

Commercial vs In-House Breakout

Commercial Cloud (Continued)

Cloud Provider	Cloud Service Name	Cloud Service	Appropriation	FY 2019 TOA	FY 2020 Request	FY 2021 Budget
Ungerboeck Systems International	Ungerboeck Cloud	SaaS	Operations (O&M)	\$ 67	\$ 68	\$ 70
Ungerboeck Systems International Subtotal				\$ 67	\$ 68	\$ 70
Veteran Information Technologies	FireEye Email Threat Prevention Cloud	SaaS	Operations (O&M)	\$ 64	\$ 70	\$ 71
Veteran Information Technologies Subtotal				\$ 64	\$ 70	\$ 71
NAVY Commercial Cloud Total				\$ 71,660	\$ 91,532	\$ 88,349



Navy FY 2021 President's Budget Request (PB) Cloud Profile

Commercial vs In-House Breakout						
In-House						
Organization	Cloud Service Name	Cloud Service	Appropriation	FY 2019 TOA	FY 2020 Request	FY 2021 Budget
NAVY	milCloud 1.0 -IL5	PaaS	DWCF	\$10	\$20	\$20
	Ex Libris	PaaS	Operations (O&M)	\$305	\$5	\$5
	AWS GovCloud	IaaS	DWCF	\$230	\$250	\$250
	AWS GovCloud	IaaS	Operations (O&M)	\$12,940	\$30,712	\$7,829
	AWS GovCloud	SaaS	Operations (O&M)	\$450	\$985	\$1,000
	AWS GovCloud	IaaS	RDT&E	\$300	\$300	\$0
NAVY In-House Cloud Total				\$14,235	\$32,272	\$9,104



Air Force FY 2021 President's Budget Request (PB) Cloud Profile

Air Force Breakout by Appropriations (Dollars in Thousands)

Organization	Appropriation	FY 2019 TOA			FY 2020 Request			FY 2021 Budget		
		Commercial	In-House	Total	Commercial	In-House	Total	Commercial	In-House	Total
AIR FORCE	DWCF	\$ 6,502	\$ -	\$ 6,502	\$ 6,932	\$ -	\$ 6,932	\$ 8,516	\$ -	\$ 8,516
	MILPERS	\$ 1,650	\$ -	\$ 1,650	\$ 1,650	\$ -	\$ 1,650	\$ 1,650	\$ -	\$ 1,650
	Operations (O&M)	\$ 38,265	\$ 2,012	\$ 40,277	\$ 35,358	\$ 307	\$ 35,665	\$ 74,250	\$ -	\$ 74,250
	Procurement	\$ 295	\$ -	\$ 295	\$ 590	\$ -	\$ 590	\$ 590	\$ -	\$ 590
	RDT&E	\$ 1,239	\$ -	\$ 1,239	\$ 1,116	\$ -	\$ 1,116	\$ 832	\$ -	\$ 832
AIR FORCE Total		\$ 47,951	\$ 2,012	\$ 49,963	\$ 45,646	\$ 307	\$ 45,953	\$ 85,838	\$ -	\$ 85,838



Air Force FY 2021 President's Budget Request (PB) Cloud Profile

Commercial vs In-House Breakout						
Commercial Cloud						
Cloud Provider	Cloud Service Name	Cloud Service	Appropriation	FY 2019 TOA	FY 2020 Request	FY 2021 Budget
AWS	GovCloud -IL2	IaaS	Operations (O&M)	\$ 13,578	\$ 11,002	\$ 10,860
	GovCloud -IL4	IaaS	Operations (O&M)	\$ 4,502	\$ 3,914	\$ 4,232
	GovCloud -IL4	IaaS	Procurement	\$ 295	\$ 590	\$ 590
	GovCloud -IL4	IaaS	RDT&E	\$ 590	\$ 590	\$ 295
AWS Subtotal				\$ 18,965	\$ 16,096	\$ 15,977
CSRA LLC	AWS Cloud	PaaS	Operations (O&M)	\$ 4	\$ 90	\$ -
CSRA LLC Subtotal				\$ 4	\$ 90	\$ -
Microsoft	Azure -IL2	PaaS	MILPERS	\$ 150	\$ 150	\$ 150
	Azure -IL2	PaaS	Operations (O&M)	\$ 3,246	\$ 2,321	\$ 44,588
	Azure -IL2	PaaS	RDT&E	\$ 649	\$ 526	\$ 537
Microsoft Subtotal				\$ 4,045	\$ 2,997	\$ 45,275
TBD (Commercial)	TBD	IaaS	DWCF	\$ 6,502	\$ 6,932	\$ 8,516
	TBD	IaaS	MILPERS	\$ 1,500	\$ 1,500	\$ 1,500
	TBD	IaaS	Operations (O&M)	\$ 16,935	\$ 18,031	\$ 14,570
TBD (Commercial) Subtotal				\$ 24,937	\$ 26,463	\$ 24,586
AIR FORCE Commercial Cloud Total				\$ 47,951	\$ 45,646	\$ 85,838



Air Force FY 2021 President's Budget Request (PB) Cloud Profile

Commercial vs In-House Breakout

In-House

Organization	Cloud Service Name	Cloud Service	Appropriation	FY 2019 TOA	FY 2020 Request	FY 2021 Budget
AIR FORCE	milCloud 1.0 -IL5	PaaS	Operations (O&M)	\$2,012	\$307	\$0
AIR FORCE In-House Cloud Total				\$2,012	\$307	\$0



Defense Wide FY 2021 President's Budget Request (PB) Cloud Profile

Defense Wide Breakout by Appropriations (Dollars in Thousands)

Organization	Appropriation	FY 2019 TOA			FY 2020 Request			FY 2021 Budget		
		Commercial	In-House	Total	Commercial	In-House	Total	Commercial	In-House	Total
DEFENSE WIDE	DWCF	\$ 25,642	\$ 42,161	\$ 67,803	\$ 20,443	\$ 25,602	\$ 46,045	\$ 20,853	\$ 26,398	\$ 47,251
	Operations (O&M)	\$ 14,885	\$ 4,346	\$ 19,231	\$ 71,282	\$ 4,524	\$ 75,806	\$ 57,173	\$ 5,070	\$ 62,243
	Procurement	\$ 2,272	\$ -	\$ 2,272	\$ 913	\$ -	\$ 913	\$ 932	\$ -	\$ 932
	RDT&E	\$ 4,242	\$ -	\$ 4,242	\$ 4,150	\$ -	\$ 4,150	\$ 5,730	\$ -	\$ 5,730
DEFENSE WIDE Total		\$ 47,041	\$ 46,507	\$ 93,548	\$ 96,788	\$ 30,126	\$ 126,914	\$ 84,688	\$ 31,468	\$ 116,156



Defense Wide FY 2021 President's Budget Request (PB) Cloud Profile

Commercial vs In-House Breakout

Commercial Cloud

Cloud Provider	Cloud Service Name	Cloud Service	Appropriation	FY 2019 TOA	FY 2020 Request	FY 2021 Budget
AWS	East/West Region -IL2	IaaS	Operations (O&M)	\$ 2,843	\$ 2,918	\$ -
	GovCloud -IL2	IaaS	Operations (O&M)	\$ 39	\$ 20	\$ 21
	GovCloud -IL4	IaaS	Operations (O&M)	\$ -	\$ -	\$ 730
	GovCloud -IL4	IaaS	RDT&E	\$ 915	\$ 2,560	\$ 4,200
	GovCloud -IL5	IaaS	Operations (O&M)	\$ -	\$ 418	\$ 432
	GovCloud -IL5	IaaS	Procurement	\$ 2,272	\$ 913	\$ 932
	GovCloud -IL5	IaaS	RDT&E	\$ 1,792	\$ -	\$ -
	AWS Subtotal				\$ 7,861	\$ 6,829
Box	DoD Box -IL4	SaaS	RDT&E	\$ 605	\$ 605	\$ 605
Box Subtotal				\$ 605	\$ 605	\$ 605
CSRA LLC	AWS Cloud	PaaS	DWCF	\$ 138	\$ 102	\$ 104
	AWS Cloud	PaaS	Operations (O&M)	\$ 467	\$ 106	\$ 9,015
	AWS Cloud	PaaS	RDT&E	\$ 5	\$ 60	\$ -
CSRA LLC Subtotal				\$ 610	\$ 268	\$ 9,119
ECS Federal, LLC	AWS IL4 and IL5	PaaS	DWCF	\$ 18,655	\$ 13,055	\$ 13,316
ECS Federal, LLC Subtotal				\$ 18,655	\$ 13,055	\$ 13,316
IBM	SCG IL5 -IL5	IaaS	DWCF	\$ 2,143	\$ 2,186	\$ 2,230
IBM Subtotal				\$ 2,143	\$ 2,186	\$ 2,230
Microsoft	Azure -IL2	IaaS	DWCF	\$ 11	\$ 11	\$ 12
	Azure -IL4	IaaS	DWCF	\$ 567	\$ 578	\$ 590
	Azure -IL5	IaaS	DWCF	\$ 1,985	\$ 2,025	\$ 2,065
	Azure -IL5	IaaS	Operations (O&M)	\$ 1,232	\$ 1,377	\$ 1,407
Microsoft Subtotal				\$ 3,795	\$ 3,991	\$ 4,074
Okta	Identity as a Service (IDaaS) -IL2	SaaS	RDT&E	\$ 925	\$ 925	\$ 925
Okta Subtotal				\$ 925	\$ 925	\$ 925
Oracle	FMCS -IL5	IaaS	Operations (O&M)	\$ 1,993	\$ 2,108	\$ 10,250
Oracle Subtotal				\$ 1,993	\$ 2,108	\$ 10,250
SalesForce	SalesForce GovCloud -IL2	SaaS	Operations (O&M)	\$ 84	\$ -	\$ -
SalesForce Subtotal				\$ 84	\$ -	\$ -
SAP NS2	SNSFS-DoD=IL4	SaaS	DWCF	\$ 2,143	\$ 2,486	\$ 2,536
SAP NS2 Subtotal				\$ 2,143	\$ 2,486	\$ 2,536



Defense Wide FY 2021 President's Budget Request (PB) Cloud Profile

Commercial vs In-House Breakout

Commercial Cloud (Continued)

Cloud Provider	Cloud Service Name	Cloud Service	Appropriation	FY 2019 TOA	FY 2020 Request	FY 2021 Budget
ServiceNow	Service Automation Government Cloud Suite -IL2	SaaS	Operations (O&M)	\$ 1,500	\$ 3,200	\$ 3,284
ServiceNow Subtotal				\$ 1,500	\$ 3,200	\$ 3,284
TBD (Commercial)	TBD	IaaS	Operations (O&M)	\$ -	\$ 61,134	\$ 32,033
	TBD	SaaS	Operations (O&M)	\$ 6,727	\$ 1	\$ 1
TBD (Commercial) Subtotal				\$ 6,727	\$ 61,135	\$ 32,034
DEFENSE WIDE Commercial Cloud Total				\$ 47,041	\$ 96,788	\$ 84,688



Defense Wide FY 2021 President's Budget Request (PB) Cloud Profile

Commercial vs In-House Breakout

In-House						
Organization	Cloud Service Name	Cloud Service	Appropriation	FY 2019 TOA	FY 2020 Request	FY 2021 Budget
DEFENSE WIDE	milCloud 1.0 -IL5	PaaS	DWCF	\$3,603	\$3,456	\$3,456
	milCloud 1.0 -IL5	PaaS	Operations (O&M)	\$4,346	\$4,524	\$5,070
	SDDC In-House IaaS	PaaS	DWCF	\$11,065	\$9,026	\$9,206
	AMC In-House IaaS	PaaS	DWCF	\$27,493	\$13,120	\$13,736
DEFENSE WIDE In-House Cloud Total				\$46,507	\$30,126	\$31,468



Defense Wide FY 2021 President's Budget Request (PB) Cloud Profile

Defense Wide Organization Breakout (Dollars in Thousands)											
Organization	Cloud Service	Appropriation	FY 2019 TOA			FY 2020 Request			FY 2021 Budget		
			Commercial	In-House	Total	Commercial	In-House	Total	Commercial	In-House	Total
DARPA	IaaS	RDT&E	\$ 915	\$ -	\$ 915	\$ 2,560	\$ -	\$ 2,560	\$ 4,200	\$ -	\$ 4,200
DARPA	SaaS	RDT&E	\$ 1,530	\$ -	\$ 1,530	\$ 1,530	\$ -	\$ 1,530	\$ 1,530	\$ -	\$ 1,530
DCMA	PaaS	Operations (O&M)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,222	\$ -	\$ 1,222
DCSA	PaaS	Operations (O&M)	\$ -	\$ 1,058	\$ 1,058	\$ -	\$ 1,116	\$ 1,116	\$ -	\$ 372	\$ 372
DFAS	PaaS	DWCF	\$ 138	\$ -	\$ 138	\$ 102	\$ -	\$ 102	\$ 104	\$ -	\$ 104
DHA	IaaS	Operations (O&M)	\$ 2,843	\$ -	\$ 2,843	\$ 2,918	\$ -	\$ 2,918	\$ -	\$ -	\$ -
DHA	PaaS	Operations (O&M)	\$ 55	\$ 101	\$ 156	\$ 56	\$ 103	\$ 159	\$ 336	\$ -	\$ 336
DHRA	IaaS	Operations (O&M)	\$ 1,993	\$ -	\$ 1,993	\$ 2,133	\$ -	\$ 2,133	\$ 13,930	\$ -	\$ 13,930
DHRA	PaaS	Operations (O&M)	\$ 19	\$ -	\$ 19	\$ -	\$ -	\$ -	\$ 5,204	\$ -	\$ 5,204
DHRA	SaaS	Operations (O&M)	\$ 1,500	\$ -	\$ 1,500	\$ 3,200	\$ -	\$ 3,200	\$ 3,284	\$ -	\$ 3,284
DISA	IaaS	Operations (O&M)	\$ -	\$ -	\$ -	\$ 60,040	\$ -	\$ 60,040	\$ 28,005	\$ -	\$ 28,005
DISA	PaaS	Operations (O&M)	\$ 389	\$ 100	\$ 489	\$ -	\$ 90	\$ 90	\$ 978	\$ 1,157	\$ 2,135
DISA	SaaS	Operations (O&M)	\$ 6,727	\$ -	\$ 6,727	\$ 1	\$ -	\$ 1	\$ 1	\$ -	\$ 1
DLA	IaaS	DWCF	\$ 4,706	\$ -	\$ 4,706	\$ 4,800	\$ -	\$ 4,800	\$ 4,897	\$ -	\$ 4,897
DLA	PaaS	DWCF	\$ -	\$ 3,603	\$ 3,603	\$ -	\$ 3,456	\$ 3,456	\$ -	\$ 3,456	\$ 3,456
DLA	SaaS	DWCF	\$ 2,143	\$ -	\$ 2,143	\$ 2,486	\$ -	\$ 2,486	\$ 2,536	\$ -	\$ 2,536
DoD CIO	IaaS	Operations (O&M)	\$ -	\$ -	\$ -	\$ 1,069	\$ -	\$ 1,069	\$ 1,078	\$ -	\$ 1,078
DTRA	IaaS	Operations (O&M)	\$ 59	\$ -	\$ 59	\$ 107	\$ -	\$ 107	\$ 125	\$ -	\$ 125
DTRA	PaaS	Operations (O&M)	\$ -	\$ -	\$ -	\$ 50	\$ -	\$ 50	\$ 50	\$ -	\$ 50
DTRA	SaaS	Operations (O&M)	\$ 84	\$ -	\$ 84	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
JCS	PaaS	Operations (O&M)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 100	\$ -	\$ 100
JCS	PaaS	RDT&E	\$ 5	\$ -	\$ 5	\$ 60	\$ -	\$ 60	\$ -	\$ -	\$ -
OSD CAPE	IaaS	Operations (O&M)	\$ -	\$ -	\$ -	\$ 418	\$ -	\$ 418	\$ 432	\$ -	\$ 432
OSD CAPE	IaaS	Procurement	\$ 2,272	\$ -	\$ 2,272	\$ 913	\$ -	\$ 913	\$ 932	\$ -	\$ 932
OSD CAPE	IaaS	RDT&E	\$ 1,792	\$ -	\$ 1,792	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
OUSD(A&S)	PaaS	Operations (O&M)	\$ -	\$ 2,175	\$ 2,175	\$ -	\$ 2,212	\$ 2,212	\$ 1,125	\$ 1,125	\$ 2,250
SOCOM	PaaS	Operations (O&M)	\$ -	\$ 4	\$ 4	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TRANSCOM	PaaS	DWCF	\$ 18,655	\$ 38,558	\$ 57,213	\$ 13,055	\$ 22,146	\$ 35,201	\$ 13,316	\$ 22,942	\$ 36,258
USD(C)	PaaS	Operations (O&M)	\$ -	\$ 908	\$ 908	\$ -	\$ 1,003	\$ 1,003	\$ -	\$ 2,416	\$ 2,416
USD(P)	IaaS	Operations (O&M)	\$ 1,212	\$ -	\$ 1,212	\$ 1,290	\$ -	\$ 1,290	\$ 1,303	\$ -	\$ 1,303
WHS	PaaS	Operations (O&M)	\$ 4	\$ -	\$ 4	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
DEFENSE WIDE Subtotal			\$ 47,041	\$ 46,507	\$ 93,548	\$ 96,788	\$ 30,126	\$ 126,914	\$ 84,688	\$ 31,468	\$ 116,156