



## DoD FY 2020 President's Budget Request (PB) Cloud Profile

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

Organization	Appropriation Type	FY 2018 TOA			FY 2019 Request			FY 2020 Budget		
		Commercial	In-House	Total	Commercial	In-House	Total	Commercial	In-House	Total
ARMY	MILPERS	\$ -	\$ 162	\$ 162	\$ -	\$ 167	\$ 167	\$ -	\$ 172	\$ 172
	Operations (O&M)	\$ 23,254	\$ 97,727	\$ 120,981	\$ 23,962	\$ 87,441	\$ 111,403	\$ 27,339	\$ 88,649	\$ 115,988
	Procurement	\$ 200	\$ 8,127	\$ 8,327	\$ 210	\$ 14,858	\$ 15,068	\$ 480	\$ 19,498	\$ 19,978
	RDT&E	\$ 1	\$ 8,652	\$ 8,653	\$ 1	\$ 18,005	\$ 18,006	\$ 1	\$ 17,356	\$ 17,357
<b>ARMY Subtotal</b>		<b>\$ 23,455</b>	<b>\$ 114,668</b>	<b>\$ 138,123</b>	<b>\$ 24,173</b>	<b>\$ 120,471</b>	<b>\$ 144,644</b>	<b>\$ 27,820</b>	<b>\$ 125,675</b>	<b>\$ 153,495</b>
NAVY	DWCF	\$ 371	\$ -	\$ 371	\$ 2,459	\$ -	\$ 2,459	\$ 3,299	\$ -	\$ 3,299
	Operations (O&M)	\$ 77,367	\$ 21	\$ 77,388	\$ 105,952	\$ 14	\$ 105,966	\$ 103,970	\$ 15	\$ 103,985
	Procurement	\$ 1,159	\$ -	\$ 1,159	\$ 761	\$ -	\$ 761	\$ -	\$ -	\$ -
	RDT&E	\$ 653	\$ -	\$ 653	\$ 4,047	\$ -	\$ 4,047	\$ 8,187	\$ -	\$ 8,187
<b>NAVY Subtotal</b>		<b>\$ 79,550</b>	<b>\$ 21</b>	<b>\$ 79,571</b>	<b>\$ 113,219</b>	<b>\$ 14</b>	<b>\$ 113,233</b>	<b>\$ 115,456</b>	<b>\$ 15</b>	<b>\$ 115,471</b>
AIR FORCE	DWCF	\$ -	\$ 5	\$ 5	\$ -	\$ 2	\$ 2	\$ -	\$ 2	\$ 2
	MILPERS	\$ -	\$ 119	\$ 119	\$ -	\$ -	\$ -	\$ -	\$ 1,825	\$ 1,825
	Operations (O&M)	\$ 34,984	\$ 33,343	\$ 68,327	\$ 65,586	\$ 48,428	\$ 114,014	\$ 59,419	\$ 44,816	\$ 104,235
	Procurement	\$ 195	\$ 1,106	\$ 1,301	\$ 167	\$ 1,136	\$ 1,303	\$ 2,511	\$ 12,379	\$ 14,890
	RDT&E	\$ 1,822	\$ 22,636	\$ 24,458	\$ 1,580	\$ 28,177	\$ 29,757	\$ 1,655	\$ 29,833	\$ 31,488
<b>AIR FORCE Subtotal</b>		<b>\$ 37,001</b>	<b>\$ 57,209</b>	<b>\$ 94,210</b>	<b>\$ 67,333</b>	<b>\$ 77,743</b>	<b>\$ 145,076</b>	<b>\$ 63,585</b>	<b>\$ 88,855</b>	<b>\$ 152,440</b>
DEFENSE WIDE	DWCF	\$ 15,488	\$ 40,005	\$ 55,493	\$ 34,854	\$ 42,629	\$ 77,483	\$ 125,960	\$ 34,294	\$ 160,254
	Operations (O&M)	\$ 8,166	\$ 39,528	\$ 47,694	\$ 28,138	\$ 48,564	\$ 76,702	\$ 29,707	\$ 37,753	\$ 67,460
	Procurement	\$ -	\$ 1	\$ 1	\$ -	\$ -	\$ -	\$ -	\$ 2,432	\$ 2,432
	RDT&E	\$ 4	\$ 5,668	\$ 5,672	\$ 26	\$ 4,543	\$ 4,569	\$ 26	\$ 4,804	\$ 4,830
<b>DEFENSE WIDE Subtotal</b>		<b>\$ 23,658</b>	<b>\$ 85,202</b>	<b>\$ 108,860</b>	<b>\$ 63,018</b>	<b>\$ 95,736</b>	<b>\$ 158,754</b>	<b>\$ 155,693</b>	<b>\$ 79,283</b>	<b>\$ 234,976</b>
<b>DoD Total</b>		<b>\$ 163,664</b>	<b>\$ 257,100</b>	<b>\$ 420,764</b>	<b>\$ 267,743</b>	<b>\$ 293,964</b>	<b>\$ 561,707</b>	<b>\$ 362,554</b>	<b>\$ 293,828</b>	<b>\$ 656,382</b>

**CLEARED**  
For Open Publication

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Department of Defense  
OFFICE OF PREPUBLICATION AND SECURITY REVIEW

Note: Report does not include classified budgeted amounts.



## DoD FY 2020 President's Budget Request (PB) Cloud Profile

Commercial vs In-House Breakout						
Commercial Cloud						
Cloud Provider	Cloud Service Name	Cloud Service	Appropriation	FY 2018 TOA	FY 2019 Request	FY 2020 Budget
Akamai	Akamai: Content Delivery Services - IL2	SaaS	Operations (O&M)	\$ 1,705	\$ 1,705	\$ 1,705
<b>Akamai Subtotal</b>				<b>\$ 1,705</b>	<b>\$ 1,705</b>	<b>\$ 1,705</b>
AWS	AWS: East/West Region - IL2	IaaS/PaaS	Operations (O&M)	\$ 13,220	\$ 15,408	\$ 9,120
	AWS: East/West Region - IL2	SaaS	Operations (O&M)	\$ 1,077	\$ 1,910	\$ 1,931
	AWS: GovCloud - IL2	IaaS/PaaS	Operations (O&M)	\$ 4,585	\$ 19,035	\$ 27,908
	AWS: GovCloud - IL2	SaaS	Operations (O&M)	\$ 1,686	\$ 1,498	\$ 1,570
	AWS: GovCloud - IL2	IaaS/PaaS	RDT&E	\$ 320	\$ 320	\$ 320
	AWS: GovCloud - IL4	IaaS/PaaS	DWCF	\$ 3,724	\$ 4,281	\$ 4,530
	AWS: GovCloud - IL4	SaaS	DWCF	\$ 1,350	\$ 879	\$ 896
	AWS: GovCloud - IL4	IaaS/PaaS	Operations (O&M)	\$ 56,906	\$ 66,501	\$ 73,310
	AWS: GovCloud - IL4	SaaS	Operations (O&M)	\$ 5,911	\$ 21,523	\$ 7,199
	AWS: GovCloud - IL4	IaaS/PaaS	Procurement	\$ 395	\$ 377	\$ 2,991
	AWS: GovCloud - IL4	IaaS/PaaS	RDT&E	\$ 744	\$ 3,046	\$ 6,861
<b>AWS Subtotal</b>				<b>\$ 89,918</b>	<b>\$ 134,778</b>	<b>\$ 136,636</b>
DISA	DISA: milCloud 1.0 - IL5	IaaS/PaaS	Operations (O&M)	\$ 754	\$ 748	\$ 557
	DISA: milCloud 1.0 - IL5	SaaS	Operations (O&M)	\$ 855	\$ 871	\$ 871
	DISA: milCloud 2.0 - IL5	IaaS/PaaS	DWCF	\$ 59	\$ 19,612	\$ 110,414
	DISA: milCloud 2.0 - IL5	IaaS/PaaS	Operations (O&M)	\$ 1,737	\$ 3,927	\$ 4,826
	DISA: milCloud 2.0 - IL5	SaaS	Operations (O&M)	\$ 7	\$ 239	\$ 244
	DISA: milCloud 2.0 - IL5	IaaS/PaaS	RDT&E	\$ 7	\$ 88	\$ 87
<b>DISA Subtotal</b>				<b>\$ 3,419</b>	<b>\$ 25,485</b>	<b>\$ 116,999</b>
IBM	IBM: SCG IL5 - IL5	IaaS/PaaS	DWCF	\$ 6,718	\$ 6,854	\$ 6,991
<b>IBM Subtotal</b>				<b>\$ 6,718</b>	<b>\$ 6,854</b>	<b>\$ 6,991</b>
Lockheed Martin	Lockheed Martin: SolaS-I Cloud - IL2	IaaS/PaaS	Operations (O&M)	\$ 103	\$ 103	\$ 103
<b>Lockheed Martin Subtotal</b>				<b>\$ 103</b>	<b>\$ 103</b>	<b>\$ 103</b>
Microsoft	Microsoft: Azure - IL2	IaaS/PaaS	Operations (O&M)	\$ 1,052	\$ 1,476	\$ 1,879
	Microsoft: Azure - IL2	SaaS	Operations (O&M)	\$ 100	\$ 400	\$ 600
	Microsoft: Azure - IL4	IaaS/PaaS	DWCF	\$ -	\$ 450	\$ 1,030
	Microsoft: Azure - IL4	IaaS/PaaS	Operations (O&M)	\$ 9,418	\$ 14,626	\$ 13,248
	Microsoft: Azure - IL4	SaaS	Operations (O&M)	\$ 8,884	\$ 9,868	\$ 8,777
	Microsoft: Azure - IL5	IaaS/PaaS	Operations (O&M)	\$ -	\$ 18,000	\$ 18,000
	Microsoft: Azure - IL5	SaaS	Operations (O&M)	\$ 75	\$ 71	\$ 75
	Microsoft: MS-O365-vNext - IL5	IaaS/PaaS	DWCF	\$ 3,763	\$ 3,838	\$ 3,915
<b>Microsoft Subtotal</b>				<b>\$ 23,292</b>	<b>\$ 48,729</b>	<b>\$ 47,524</b>
Not an approved vendor	Not an approved vendor	IaaS/PaaS	DWCF	\$ -	\$ 1,083	\$ 1,083
	Not an approved vendor	SaaS	DWCF	\$ 245	\$ 249	\$ 249
	Not an approved vendor	IaaS/PaaS	Operations (O&M)	\$ 173	\$ 360	\$ 404
	Not an approved vendor	SaaS	Operations (O&M)	\$ 2,339	\$ 2,382	\$ 1,973



## DoD FY 2020 President's Budget Request (PB) Cloud Profile

Commercial vs In-House Breakout						
Commercial Cloud (Continued)						
Cloud Provider	Cloud Service Name	Cloud Service	Appropriation	FY 2018 TOA	FY 2019 Request	FY 2020 Budget
	Not an approved vendor	IaaS/PaaS	RDT&E	\$ 331	\$ 385	\$ 364
<b>Not an approved vendor Subtotal</b>				<b>\$ 3,088</b>	<b>\$ 4,459</b>	<b>\$ 4,073</b>
Oracle	Oracle: Service Cloud - IL2	SaaS	Operations (O&M)	\$ 9,738	\$ 10,064	\$ 10,160
<b>Oracle Subtotal</b>				<b>\$ 9,738</b>	<b>\$ 10,064</b>	<b>\$ 10,160</b>
TBD	TBD	IaaS/PaaS	DWCF	\$ -	\$ 67	\$ 151
	TBD	IaaS/PaaS	Operations (O&M)	\$ 12,217	\$ 10,476	\$ 10,697
	TBD	SaaS	Operations (O&M)	\$ 11,229	\$ 22,447	\$ 25,278
	TBD	SaaS	Procurement	\$ 1,159	\$ 761	\$ -
	TBD	IaaS/PaaS	RDT&E	\$ -	\$ 750	\$ 1,000
	TBD	SaaS	RDT&E	\$ -	\$ 291	\$ 403
<b>TBD Subtotal</b>				<b>\$ 24,605</b>	<b>\$ 34,792</b>	<b>\$ 37,529</b>
USDA	USDA: NITC - IL2	IaaS/PaaS	RDT&E	\$ 1,078	\$ 774	\$ 834
<b>USDA Subtotal</b>				<b>\$ 1,078</b>	<b>\$ 774</b>	<b>\$ 834</b>
<b>DoD Commercial Cloud Total</b>				<b>\$ 163,664</b>	<b>\$ 267,743</b>	<b>\$ 362,554</b>

In-House Cloud						
Organization	Cloud Service Name	Cloud Service	Appropriation	FY 2018 TOA	FY 2019 Request	FY 2020 Budget
All	DISA: milCloud 1.0 - IL5	IaaS/PaaS	DWCF	\$ 21,015	\$ 4,392	\$ -
	DISA: milCloud 1.0 - IL5	IaaS/PaaS	Operations (O&M)	\$ 216	\$ 722	\$ 583
	In-House	IaaS/PaaS	DWCF	\$ 18,495	\$ 36,599	\$ 32,912
	In-House	SaaS	DWCF	\$ 500	\$ 1,640	\$ 1,384
	In-House	IaaS/PaaS	MILPERS	\$ 281	\$ 167	\$ 1,997
	In-House	IaaS/PaaS	Operations (O&M)	\$ 154,036	\$ 169,883	\$ 155,890
	In-House	SaaS	Operations (O&M)	\$ 16,367	\$ 13,842	\$ 14,760
	In-House	IaaS/PaaS	Procurement	\$ 9,234	\$ 15,734	\$ 22,818
	In-House	SaaS	Procurement	\$ -	\$ 260	\$ 11,491
	In-House	IaaS/PaaS	RDT&E	\$ 34,850	\$ 40,803	\$ 43,632
	In-House	SaaS	RDT&E	\$ 2,106	\$ 9,922	\$ 8,361
	<b>DoD In-House Cloud Total</b>				<b>\$ 257,100</b>	<b>\$ 293,964</b>



### Army FY 2020 President's Budget Request (PB) Cloud Profile

#### Army Breakout by Appropriations (Dollars in Thousands)

Organization	Appropriation Type	FY 2018 TOA			FY 2019 Request			FY 2020 Budget		
		Commercial	In-House	Total	Commercial	In-House	Total	Commercial	In-House	Total
ARMY	MILPERS	\$ -	\$ 162	\$ 162	\$ -	\$ 167	\$ 167	\$ -	\$ 172	\$ 172
	Operations (O&M)	\$ 23,254	\$ 97,727	\$ 120,981	\$ 23,962	\$ 87,441	\$ 111,403	\$ 27,339	\$ 88,649	\$ 115,988
	Procurement	\$ 200	\$ 8,127	\$ 8,327	\$ 210	\$ 14,858	\$ 15,068	\$ 480	\$ 19,498	\$ 19,978
	RDT&E	\$ 1	\$ 8,652	\$ 8,653	\$ 1	\$ 18,005	\$ 18,006	\$ 1	\$ 17,356	\$ 17,357
<b>ARMY Subtotal</b>		<b>\$ 23,455</b>	<b>\$ 114,668</b>	<b>\$ 138,123</b>	<b>\$ 24,173</b>	<b>\$ 120,471</b>	<b>\$ 144,644</b>	<b>\$ 27,820</b>	<b>\$ 125,675</b>	<b>\$ 153,495</b>
<b>ARMY Total</b>		<b>\$ 23,455</b>	<b>\$ 114,668</b>	<b>\$ 138,123</b>	<b>\$ 24,173</b>	<b>\$ 120,471</b>	<b>\$ 144,644</b>	<b>\$ 27,820</b>	<b>\$ 125,675</b>	<b>\$ 153,495</b>

#### Commercial vs In-House Breakout

##### Commercial Cloud

Cloud Provider	Cloud Service Name	Cloud Service	Appropriation	FY 2018 TOA	FY 2019 Request	FY 2020 Budget
AWS	AWS: GovCloud - IL2	SaaS	Operations (O&M)	\$ 1,686	\$ 1,498	\$ 1,570
	AWS: GovCloud - IL4	IaaS/PaaS	Operations (O&M)	\$ 10,058	\$ 9,404	\$ 9,484
	AWS: GovCloud - IL4	SaaS	Operations (O&M)	\$ 2,471	\$ 3,335	\$ 5,659
	AWS: GovCloud - IL4	IaaS/PaaS	Procurement	\$ 200	\$ 210	\$ 480
<b>AWS Subtotal</b>				<b>\$ 14,415</b>	<b>\$ 14,447</b>	<b>\$ 17,193</b>
DISA	DISA: milCloud 2.0 - IL5	IaaS/PaaS	Operations (O&M)	\$ 113	\$ 149	\$ 287
	DISA: milCloud 2.0 - IL5	IaaS/PaaS	RDT&E	\$ 1	\$ 1	\$ 1
<b>DISA Subtotal</b>				<b>\$ 114</b>	<b>\$ 150</b>	<b>\$ 288</b>
Microsoft	Microsoft: Azure - IL2	IaaS/PaaS	Operations (O&M)	\$ 672	\$ 1,096	\$ 1,499
	Microsoft: Azure - IL2	SaaS	Operations (O&M)	\$ 100	\$ 400	\$ 600
	Microsoft: Azure - IL4	IaaS/PaaS	Operations (O&M)	\$ 8,154	\$ 8,080	\$ 8,240
<b>Microsoft Subtotal</b>				<b>\$ 8,926</b>	<b>\$ 9,576</b>	<b>\$ 10,339</b>
<b>ARMY Commercial Cloud Total</b>				<b>\$ 23,455</b>	<b>\$ 24,173</b>	<b>\$ 27,820</b>

##### In-House Cloud

Organization	Cloud Service Name	Cloud Service	Appropriation	FY 2018 TOA	FY 2019 Request	FY 2020 Budget
All	DISA: milCloud 1.0 - IL5	IaaS/PaaS	Operations (O&M)	\$ 100	\$ 100	\$ 325
	In-House	IaaS/PaaS	MILPERS	\$ 162	\$ 167	\$ 172
	In-House	IaaS/PaaS	Operations (O&M)	\$ 81,503	\$ 73,742	\$ 75,688
	In-House	SaaS	Operations (O&M)	\$ 16,124	\$ 13,599	\$ 12,636
	In-House	IaaS/PaaS	Procurement	\$ 8,127	\$ 14,858	\$ 19,498
	In-House	IaaS/PaaS	RDT&E	\$ 8,652	\$ 18,005	\$ 17,356
<b>ARMY In-House Cloud Total</b>				<b>\$ 114,668</b>	<b>\$ 120,471</b>	<b>\$ 125,675</b>



### Navy FY 2020 President's Budget Request (PB) Cloud Profile

#### Navy Breakout by Appropriations (Dollars in Thousands)

Organization	Appropriation Type	FY 2018 TOA			FY 2019 Request			FY 2020 Budget		
		Commercial	In-House	Total	Commercial	In-House	Total	Commercial	In-House	Total
NAVY	DWCF	\$ 371	\$ -	\$ 371	\$ 2,459	\$ -	\$ 2,459	\$ 3,299	\$ -	\$ 3,299
	Operations (O&M)	\$ 77,367	\$ 21	\$ 77,388	\$ 105,952	\$ 14	\$ 105,966	\$ 103,970	\$ 15	\$ 103,985
	Procurement	\$ 1,159	\$ -	\$ 1,159	\$ 761	\$ -	\$ 761	\$ -	\$ -	\$ -
	RDT&E	\$ 653	\$ -	\$ 653	\$ 4,047	\$ -	\$ 4,047	\$ 8,187	\$ -	\$ 8,187
<b>NAVY Subtotal</b>		<b>\$ 79,550</b>	<b>\$ 21</b>	<b>\$ 79,571</b>	<b>\$ 113,219</b>	<b>\$ 14</b>	<b>\$ 113,233</b>	<b>\$ 115,456</b>	<b>\$ 15</b>	<b>\$ 115,471</b>
<b>NAVY Total</b>		<b>\$ 79,550</b>	<b>\$ 21</b>	<b>\$ 79,571</b>	<b>\$ 113,219</b>	<b>\$ 14</b>	<b>\$ 113,233</b>	<b>\$ 115,456</b>	<b>\$ 15</b>	<b>\$ 115,471</b>

#### Commercial vs In-House Breakout

Commercial Cloud						
Cloud Provider	Cloud Service Name	Cloud Service	Appropriation	FY 2018 TOA	FY 2019 Request	FY 2020 Budget
AWS	AWS: East/West Region - IL2	IaaS/PaaS	Operations (O&M)	\$ 9,504	\$ 7,363	\$ 4,346
	AWS: East/West Region - IL2	SaaS	Operations (O&M)	\$ 1,047	\$ 1,895	\$ 1,916
	AWS: GovCloud - IL2	IaaS/PaaS	Operations (O&M)	\$ 3,497	\$ 17,148	\$ 26,408
	AWS: GovCloud - IL2	IaaS/PaaS	RDT&E	\$ 320	\$ 320	\$ 320
	AWS: GovCloud - IL4	IaaS/PaaS	DWCF	\$ 123	\$ 608	\$ 783
	AWS: GovCloud - IL4	IaaS/PaaS	Operations (O&M)	\$ 36,043	\$ 42,054	\$ 49,123
	AWS: GovCloud - IL4	SaaS	Operations (O&M)	\$ 1,484	\$ 16,300	\$ -
	AWS: GovCloud - IL4	IaaS/PaaS	RDT&E	\$ -	\$ 2,300	\$ 6,100
<b>AWS Subtotal</b>				<b>\$ 52,018</b>	<b>\$ 87,988</b>	<b>\$ 88,996</b>
DISA	DISA: milCloud 2.0 - IL5	IaaS/PaaS	DWCF	\$ 3	\$ 2	\$ 3
	DISA: milCloud 2.0 - IL5	IaaS/PaaS	Operations (O&M)	\$ 754	\$ 856	\$ 952
	DISA: milCloud 2.0 - IL5	IaaS/PaaS	RDT&E	\$ 2	\$ 1	\$ -
<b>DISA Subtotal</b>				<b>\$ 759</b>	<b>\$ 859</b>	<b>\$ 955</b>
Microsoft	Microsoft: Azure - IL4	IaaS/PaaS	DWCF	\$ -	\$ 450	\$ 1,030
	Microsoft: Azure - IL5	SaaS	Operations (O&M)	\$ 75	\$ 71	\$ 75
<b>Microsoft Subtotal</b>				<b>\$ 75</b>	<b>\$ 521</b>	<b>\$ 1,105</b>
Not an approved vendor	Not an approved vendor	IaaS/PaaS	DWCF	\$ -	\$ 1,083	\$ 1,083
	Not an approved vendor	SaaS	DWCF	\$ 245	\$ 249	\$ 249
	Not an approved vendor	IaaS/PaaS	Operations (O&M)	\$ 173	\$ 360	\$ 404
	Not an approved vendor	SaaS	Operations (O&M)	\$ 2,339	\$ 2,382	\$ 1,973
	Not an approved vendor	IaaS/PaaS	RDT&E	\$ 331	\$ 385	\$ 364
<b>Not an approved vendor Subtotal</b>				<b>\$ 3,088</b>	<b>\$ 4,459</b>	<b>\$ 4,073</b>
TBD	TBD	IaaS/PaaS	DWCF	\$ -	\$ 67	\$ 151
	TBD	IaaS/PaaS	Operations (O&M)	\$ 12,217	\$ 10,476	\$ 10,697
	TBD	SaaS	Operations (O&M)	\$ 10,234	\$ 7,047	\$ 8,076
	TBD	SaaS	Procurement	\$ 1,159	\$ 761	\$ -
	TBD	IaaS/PaaS	RDT&E	\$ -	\$ 750	\$ 1,000
	TBD	SaaS	RDT&E	\$ -	\$ 291	\$ 403



Navy FY 2020 President's Budget Request (PB) Cloud Profile

Commercial vs In-House Breakout

Commercial Cloud (Continued)

Cloud Provider	Cloud Service Name	Cloud Service	Appropriation	FY 2018 TOA	FY 2019 Request	FY 2020 Budget
<b>TBD Subtotal</b>				<b>\$ 23,610</b>	<b>\$ 19,392</b>	<b>\$ 20,327</b>
<b>NAVY Commercial Cloud Total</b>				<b>\$ 79,550</b>	<b>\$ 113,219</b>	<b>\$ 115,456</b>



### Navy FY 2020 President's Budget Request (PB) Cloud Profile

#### Commercial vs In-House Breakout

<b>In-House Cloud</b>						
Organization	Cloud Service Name	Cloud Service	Appropriation	FY 2018 TOA	FY 2019 Request	FY 2020 Budget
ALL	In-House	IaaS/PaaS	DWCF	\$ -	\$ -	\$ -
	In-House	IaaS/PaaS	Operations (O&M)	\$ 21	\$ 14	\$ 15
<b>NAVY In-House Cloud Total</b>				<b>\$ 21</b>	<b>\$ 14</b>	<b>\$ 15</b>



### Air Force FY 2020 President's Budget Request (PB) Cloud Profile

#### Air Force Breakout by Appropriations (Dollars in Thousands)

Organization	Appropriation Type	FY 2018 TOA			FY 2019 Request			FY 2020 Budget		
		Commercial	In-House	Total	Commercial	In-House	Total	Commercial	In-House	Total
AIR FORCE	DWCF	\$ -	\$ 5	\$ 5	\$ -	\$ 2	\$ 2	\$ -	\$ 2	\$ 2
	MILPERS	\$ -	\$ 119	\$ 119	\$ -	\$ -	\$ -	\$ -	\$ 1,825	\$ 1,825
	Operations (O&M)	\$ 34,984	\$ 33,343	\$ 68,327	\$ 65,586	\$ 48,428	\$ 114,014	\$ 59,419	\$ 44,816	\$ 104,235
	Procurement	\$ 195	\$ 1,106	\$ 1,301	\$ 167	\$ 1,136	\$ 1,303	\$ 2,511	\$ 12,379	\$ 14,890
	RDT&E	\$ 1,822	\$ 22,636	\$ 24,458	\$ 1,580	\$ 28,177	\$ 29,757	\$ 1,655	\$ 29,833	\$ 31,488
<b>AIR FORCE Subtotal</b>		<b>\$ 37,001</b>	<b>\$ 57,209</b>	<b>\$ 94,210</b>	<b>\$ 67,333</b>	<b>\$ 77,743</b>	<b>\$ 145,076</b>	<b>\$ 63,585</b>	<b>\$ 88,855</b>	<b>\$ 152,440</b>
<b>AIR FORCE Total</b>		<b>\$ 37,001</b>	<b>\$ 57,209</b>	<b>\$ 94,210</b>	<b>\$ 67,333</b>	<b>\$ 77,743</b>	<b>\$ 145,076</b>	<b>\$ 63,585</b>	<b>\$ 88,855</b>	<b>\$ 152,440</b>

#### Commercial vs In-House Breakout

##### Commercial Cloud

Cloud Provider	Cloud Service Name	Cloud Service	Appropriation	FY 2018 TOA	FY 2019 Request	FY 2020 Budget
Akamai	Akamai: Content Delivery Services - IL2	SaaS	Operations (O&M)	\$ 1,705	\$ 1,705	\$ 1,705
<b>Akamai Subtotal</b>				<b>\$ 1,705</b>	<b>\$ 1,705</b>	<b>\$ 1,705</b>
AWS	AWS: East/West Region - IL2	IaaS/PaaS	Operations (O&M)	\$ 716	\$ 3,175	\$ 716
	AWS: East/West Region - IL2	SaaS	Operations (O&M)	\$ 30	\$ 15	\$ 15
	AWS: GovCloud - IL2	IaaS/PaaS	Operations (O&M)	\$ 300	\$ 987	\$ 800
	AWS: GovCloud - IL4	IaaS/PaaS	Operations (O&M)	\$ 7,436	\$ 10,999	\$ 10,569
	AWS: GovCloud - IL4	SaaS	Operations (O&M)	\$ 1,956	\$ 1,888	\$ 1,540
	AWS: GovCloud - IL4	IaaS/PaaS	Procurement	\$ 195	\$ 167	\$ 2,511
	AWS: GovCloud - IL4	IaaS/PaaS	RDT&E	\$ 744	\$ 746	\$ 761
<b>AWS Subtotal</b>				<b>\$ 11,377</b>	<b>\$ 17,977</b>	<b>\$ 16,912</b>
DISA	DISA: milCloud 1.0 - IL5	IaaS/PaaS	Operations (O&M)	\$ 754	\$ 748	\$ 557
	DISA: milCloud 1.0 - IL5	SaaS	Operations (O&M)	\$ 855	\$ 871	\$ 871
	DISA: milCloud 2.0 - IL5	IaaS/PaaS	Operations (O&M)	\$ 241	\$ 511	\$ 485
	DISA: milCloud 2.0 - IL5	SaaS	Operations (O&M)	\$ 7	\$ 239	\$ 244
	DISA: milCloud 2.0 - IL5	IaaS/PaaS	RDT&E	\$ -	\$ 60	\$ 60
<b>DISA Subtotal</b>				<b>\$ 1,857</b>	<b>\$ 2,429</b>	<b>\$ 2,217</b>
Lockheed Martin	Lockheed Martin: SolaS-I Cloud - IL2	IaaS/PaaS	Operations (O&M)	\$ 103	\$ 103	\$ 103
<b>Lockheed Martin Subtotal</b>				<b>\$ 103</b>	<b>\$ 103</b>	<b>\$ 103</b>
Microsoft	Microsoft: Azure - IL4	IaaS/PaaS	Operations (O&M)	\$ 1,264	\$ 6,546	\$ 5,008
	Microsoft: Azure - IL4	SaaS	Operations (O&M)	\$ 8,884	\$ 9,868	\$ 8,777
	Microsoft: Azure - IL5	IaaS/PaaS	Operations (O&M)	\$ -	\$ 18,000	\$ 18,000
<b>Microsoft Subtotal</b>				<b>\$ 10,148</b>	<b>\$ 34,414</b>	<b>\$ 31,785</b>
Oracle	Oracle: Service Cloud - IL2	SaaS	Operations (O&M)	\$ 9,738	\$ 9,731	\$ 9,827
<b>Oracle Subtotal</b>				<b>\$ 9,738</b>	<b>\$ 9,731</b>	<b>\$ 9,827</b>
TBD	TBD	SaaS	Operations (O&M)	\$ 995	\$ 200	\$ 202
<b>TBD Subtotal</b>				<b>\$ 995</b>	<b>\$ 200</b>	<b>\$ 202</b>
USDA	USDA: NITC - IL2	IaaS/PaaS	RDT&E	\$ 1,078	\$ 774	\$ 834





Air Force FY 2020 President's Budget Request (PB) Cloud Profile

Commercial vs In-House Breakout						
Commercial Cloud (Continued)						
Cloud Provider	Cloud Service Name	Cloud Service	Appropriation	FY 2018 TOA	FY 2019 Request	FY 2020 Budget
<b>USDA Subtotal</b>				<b>\$ 1,078</b>	<b>\$ 774</b>	<b>\$ 834</b>
<b>AIR FORCE Commercial Cloud Total</b>				<b>\$ 37,001</b>	<b>\$ 67,333</b>	<b>\$ 63,585</b>



### Air Force FY 2020 President's Budget Request (PB) Cloud Profile

Commercial vs In-House Breakout						
In-House Cloud						
Organization	Cloud Service Name	Cloud Service	Appropriation	FY 2018 TOA	FY 2019 Request	FY 2020 Budget
ALL	DISA: milCloud 1.0 - IL5	IaaS/PaaS	Operations (O&M)	\$ 1	\$ 1	\$ 1
	In-House	IaaS/PaaS	DWCF	\$ 5	\$ 2	\$ 2
	In-House	IaaS/PaaS	MILPERS	\$ 119	\$ -	\$ 1,825
	In-House	IaaS/PaaS	Operations (O&M)	\$ 33,202	\$ 48,287	\$ 42,794
	In-House	SaaS	Operations (O&M)	\$ 140	\$ 140	\$ 2,021
	In-House	IaaS/PaaS	Procurement	\$ 1,106	\$ 876	\$ 888
	In-House	SaaS	Procurement	\$ -	\$ 260	\$ 11,491
	In-House	IaaS/PaaS	RDT&E	\$ 20,530	\$ 18,255	\$ 21,472
	In-House	SaaS	RDT&E	\$ 2,106	\$ 9,922	\$ 8,361
	<b>AIR FORCE In-House Cloud Total</b>				<b>\$ 57,209</b>	<b>\$ 77,743</b>



### Defense Wide FY 2020 President's Budget Request (PB) Cloud Profile

#### Defense Wide Breakout by Appropriations (Dollars in Thousands)

Organization	Appropriation Type	FY 2018 TOA			FY 2019 Request			FY 2020 Budget		
		Commercial	In-House	Total	Commercial	In-House	Total	Commercial	In-House	Total
DEFENSE WIDE	DWCF	\$ 15,488	\$ 40,005	\$ 55,493	\$ 34,854	\$ 42,629	\$ 77,483	\$ 125,960	\$ 34,294	\$ 160,254
	Operations (O&M)	\$ 8,166	\$ 39,528	\$ 47,694	\$ 28,138	\$ 48,564	\$ 76,702	\$ 29,707	\$ 37,753	\$ 67,460
	Procurement	\$ -	\$ 1	\$ 1	\$ -	\$ -	\$ -	\$ -	\$ 2,432	\$ 2,432
	RDT&E	\$ 4	\$ 5,668	\$ 5,672	\$ 26	\$ 4,543	\$ 4,569	\$ 26	\$ 4,804	\$ 4,830
<b>DEFENSE WIDE Subtotal</b>		<b>\$ 23,658</b>	<b>\$ 85,202</b>	<b>\$ 108,860</b>	<b>\$ 63,018</b>	<b>\$ 95,736</b>	<b>\$ 158,754</b>	<b>\$ 155,693</b>	<b>\$ 79,283</b>	<b>\$ 234,976</b>
<b>DEFENSE WIDE Total</b>		<b>\$ 23,658</b>	<b>\$ 85,202</b>	<b>\$ 108,860</b>	<b>\$ 63,018</b>	<b>\$ 95,736</b>	<b>\$ 158,754</b>	<b>\$ 155,693</b>	<b>\$ 79,283</b>	<b>\$ 234,976</b>

#### Commercial vs In-House Breakout

Commercial Cloud						
Cloud Provider	Cloud Service Name	Cloud Service	Appropriation	FY 2018 TOA	FY 2019 Request	FY 2020 Budget
AWS	AWS: East/West Region - IL2	IaaS/PaaS	Operations (O&M)	\$ 3,000	\$ 4,870	\$ 4,058
	AWS: GovCloud - IL2	IaaS/PaaS	Operations (O&M)	\$ 788	\$ 900	\$ 700
	AWS: GovCloud - IL4	IaaS/PaaS	DWCF	\$ 3,601	\$ 3,673	\$ 3,747
	AWS: GovCloud - IL4	SaaS	DWCF	\$ 1,350	\$ 879	\$ 896
	AWS: GovCloud - IL4	IaaS/PaaS	Operations (O&M)	\$ 3,369	\$ 4,044	\$ 4,134
<b>AWS Subtotal</b>				<b>\$ 12,108</b>	<b>\$ 14,366</b>	<b>\$ 13,535</b>
DISA	DISA: milCloud 2.0 - IL5	IaaS/PaaS	DWCF	\$ 56	\$ 19,610	\$ 110,411
	DISA: milCloud 2.0 - IL5	IaaS/PaaS	Operations (O&M)	\$ 629	\$ 2,411	\$ 3,102
	DISA: milCloud 2.0 - IL5	IaaS/PaaS	RDT&E	\$ 4	\$ 26	\$ 26
<b>DISA Subtotal</b>				<b>\$ 689</b>	<b>\$ 22,047</b>	<b>\$ 113,539</b>
IBM	IBM: SCG IL5 - IL5	IaaS/PaaS	DWCF	\$ 6,718	\$ 6,854	\$ 6,991
<b>IBM Subtotal</b>				<b>\$ 6,718</b>	<b>\$ 6,854</b>	<b>\$ 6,991</b>
Microsoft	Microsoft: Azure - IL2	IaaS/PaaS	Operations (O&M)	\$ 380	\$ 380	\$ 380
	Microsoft: MS-O365-vNext - IL5	IaaS/PaaS	DWCF	\$ 3,763	\$ 3,838	\$ 3,915
<b>Microsoft Subtotal</b>				<b>\$ 4,143</b>	<b>\$ 4,218</b>	<b>\$ 4,295</b>
Oracle	Oracle: Service Cloud - IL2	SaaS	Operations (O&M)	\$ -	\$ 333	\$ 333
<b>Oracle Subtotal</b>				<b>\$ -</b>	<b>\$ 333</b>	<b>\$ 333</b>
TBD	TBD	SaaS	Operations (O&M)	\$ -	\$ 15,200	\$ 17,000
<b>TBD Subtotal</b>				<b>\$ -</b>	<b>\$ 15,200</b>	<b>\$ 17,000</b>
<b>DEFENSE WIDE Commercial Cloud Total</b>				<b>\$ 23,658</b>	<b>\$ 63,018</b>	<b>\$ 155,693</b>

#### In-House Cloud

Organization	Cloud Service Name	Cloud Service	Appropriation	FY 2018 TOA	FY 2019 Request	FY 2020 Budget
All	DISA: milCloud 1.0 - IL5	IaaS/PaaS	DWCF	\$ 21,015	\$ 4,392	\$ -
	DISA: milCloud 1.0 - IL5	IaaS/PaaS	Operations (O&M)	\$ 115	\$ 621	\$ 257
	In-House	IaaS/PaaS	DWCF	\$ 18,490	\$ 36,597	\$ 32,910
	In-House	SaaS	DWCF	\$ 500	\$ 1,640	\$ 1,384
	In-House	IaaS/PaaS	Operations (O&M)	\$ 39,310	\$ 47,840	\$ 37,393



**Defense Wide FY 2020 President's Budget Request (PB) Cloud Profile**

<b>In-House Cloud (Continued)</b>						
Organization	Cloud Service Name	Cloud Service	Appropriation	FY 2018 TOA	FY 2019 Request	FY 2020 Budget
In-House		SaaS	Operations (O&M)	\$ 103	\$ 103	\$ 103
In-House		IaaS/PaaS	Procurement	\$ 1	\$ -	\$ 2,432
In-House		IaaS/PaaS	RDT&E	\$ 5,668	\$ 4,543	\$ 4,804
<b>DEFENSE WIDE In-House Cloud Total</b>				<b>\$ 85,202</b>	<b>\$ 95,736</b>	<b>\$ 79,283</b>



### Defense Wide FY 2020 President's Budget Request (PB) Cloud Profile

Defense Wide Organization Breakout (Dollars in Thousands)											
Organization	Cloud Service	Appropriation	FY 2018 TOA			FY 2019 Request			FY 2020 Budget		
			Commercial	In-House	Total	Commercial	In-House	Total	Commercial	In-House	Total
DARPA	IaaS/PaaS	RDT&E	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
DCAA	IaaS/PaaS	Operations (O&M)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
DCMA	IaaS/PaaS	Operations (O&M)	\$ 4	\$ -	\$ 4	\$ 4	\$ -	\$ 4	\$ 3	\$ 264	\$ 267
DCMA	SaaS	Operations (O&M)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
DCMA	IaaS/PaaS	Procurement	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,432	\$ 2,432
DCMA	IaaS/PaaS	RDT&E	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,270	\$ 2,270
DeCA	IaaS/PaaS	DWCF	\$ 2	\$ -	\$ 2	\$ 1	\$ -	\$ 1	\$ 2	\$ -	\$ 2
DFAS	IaaS/PaaS	DWCF	\$ 4	\$ 897	\$ 901	\$ 87	\$ 862	\$ 949	\$ 86	\$ 656	\$ 742
DHA	IaaS/PaaS	Operations (O&M)	\$ 42	\$ 106	\$ 148	\$ 64	\$ 104	\$ 168	\$ 54	\$ 105	\$ 159
DHA	IaaS/PaaS	RDT&E	\$ -	\$ -	\$ -	\$ 24	\$ -	\$ 24	\$ 23	\$ -	\$ 23
DHRA	IaaS/PaaS	Operations (O&M)	\$ 4,550	\$ 6,695	\$ 11,245	\$ 5,345	\$ 12,900	\$ 18,245	\$ 5,243	\$ 2,250	\$ 7,493
DHRA	SaaS	Operations (O&M)	\$ -	\$ -	\$ -	\$ 15,533	\$ -	\$ 15,533	\$ 17,333	\$ -	\$ 17,333
DISA	IaaS/PaaS	DWCF	\$ 43	\$ 15,403	\$ 15,446	\$ 19,255	\$ 2,923	\$ 22,178	\$ 109,838	\$ -	\$ 109,838
DISA	SaaS	DWCF	\$ -	\$ 500	\$ 500	\$ -	\$ 1,640	\$ 1,640	\$ -	\$ 1,384	\$ 1,384
DISA	IaaS/PaaS	Operations (O&M)	\$ 1,018	\$ 1,617	\$ 2,635	\$ 1,298	\$ 3,215	\$ 4,513	\$ 1,395	\$ 2,472	\$ 3,867
DISA	IaaS/PaaS	Procurement	\$ -	\$ 1	\$ 1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
DLA	IaaS/PaaS	DWCF	\$ 14,086	\$ 5,611	\$ 19,697	\$ 14,629	\$ 1,471	\$ 16,100	\$ 15,136	\$ -	\$ 15,136
DLA	SaaS	DWCF	\$ 1,350	\$ -	\$ 1,350	\$ 879	\$ -	\$ 879	\$ 896	\$ -	\$ 896
DLA	IaaS/PaaS	Operations (O&M)	\$ -	\$ 1	\$ 1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
DMACT	IaaS/PaaS	Operations (O&M)	\$ 2,534	\$ 1,288	\$ 3,822	\$ 4,394	\$ 1,339	\$ 5,733	\$ 3,572	\$ 1,361	\$ 4,933
DMACT	SaaS	Operations (O&M)	\$ -	\$ 103	\$ 103	\$ -	\$ 103	\$ 103	\$ -	\$ 103	\$ 103
DODEA	IaaS/PaaS	Operations (O&M)	\$ 2	\$ 28,599	\$ 28,601	\$ 1	\$ 29,171	\$ 29,172	\$ 2	\$ 29,754	\$ 29,756
DPAA	IaaS/PaaS	Operations (O&M)	\$ 3	\$ -	\$ 3	\$ 2	\$ -	\$ 2	\$ 2	\$ -	\$ 2
DSS	IaaS/PaaS	Operations (O&M)	\$ 3	\$ -	\$ 3	\$ 4	\$ -	\$ 4	\$ 3	\$ 154	\$ 157
DTIC	IaaS/PaaS	RDT&E	\$ 4	\$ 3,668	\$ 3,672	\$ 2	\$ 4,543	\$ 4,545	\$ 3	\$ 2,534	\$ 2,537
DTRA	IaaS/PaaS	Operations (O&M)	\$ 4	\$ -	\$ 4	\$ 3	\$ -	\$ 3	\$ 4	\$ -	\$ 4
DTSA	IaaS/PaaS	Operations (O&M)	\$ 3	\$ -	\$ 3	\$ 3	\$ -	\$ 3	\$ 1	\$ -	\$ 1
IG	IaaS/PaaS	Operations (O&M)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
JCS	IaaS/PaaS	Operations (O&M)	\$ -	\$ 1	\$ 1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
MDA	IaaS/PaaS	RDT&E	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
OUSD(A&S)	IaaS/PaaS	Operations (O&M)	\$ -	\$ -	\$ -	\$ 1,486	\$ 516	\$ 2,002	\$ 2,093	\$ -	\$ 2,093
SOCOM	IaaS/PaaS	Operations (O&M)	\$ 3	\$ 16	\$ 19	\$ 1	\$ 4	\$ 5	\$ 2	\$ -	\$ 2
TRANSCOM	IaaS/PaaS	DWCF	\$ 3	\$ 17,594	\$ 17,597	\$ 3	\$ 35,733	\$ 35,736	\$ 2	\$ 32,254	\$ 32,256
USD(C)	IaaS/PaaS	RDT&E	\$ -	\$ 2,000	\$ 2,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
USD(P)	IaaS/PaaS	Operations (O&M)	\$ -	\$ 1,102	\$ 1,102	\$ -	\$ 1,212	\$ 1,212	\$ -	\$ 1,290	\$ 1,290
WHS	IaaS/PaaS	Operations (O&M)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>DEFENSE WIDE Subtotal</b>			<b>\$ 23,658</b>	<b>\$ 85,202</b>	<b>\$ 108,860</b>	<b>\$ 63,018</b>	<b>\$ 95,736</b>	<b>\$ 158,754</b>	<b>\$ 155,693</b>	<b>\$ 79,283</b>	<b>\$ 234,976</b>



## National Guard and Reserve FY 2020 President's Budget Request (PB) Cloud Profile

## National Guard and Reserve Breakout by Appropriations (Dollars in Thousands)

Organization	Appropriation Type	FY 2018 TOA			FY 2019 Request			FY 2020 Budget		
		Commercial	In-House	Total	Commercial	In-House	Total	Commercial	In-House	Total
ARMY	Operations (O&M)	\$ 9,083	\$ 1,851	\$ 10,934	\$ 8,564	\$ 1,862	\$ 10,426	\$ 8,134	\$ 1,873	\$ 10,007
<b>ARMY Subtotal</b>		<b>\$ 9,083</b>	<b>\$ 1,851</b>	<b>\$ 10,934</b>	<b>\$ 8,564</b>	<b>\$ 1,862</b>	<b>\$ 10,426</b>	<b>\$ 8,134</b>	<b>\$ 1,873</b>	<b>\$ 10,007</b>
NAVY	Operations (O&M)	\$ 5,287	\$ -	\$ 5,287	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>NAVY Subtotal</b>		<b>\$ 5,287</b>	<b>\$ -</b>	<b>\$ 5,287</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
AIR FORCE	Operations (O&M)	\$ -	\$ 1	\$ 1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>AIR FORCE Subtotal</b>		<b>\$ -</b>	<b>\$ 1</b>	<b>\$ 1</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
<b>National Guard and Reserve Total</b>		<b>\$ 14,370</b>	<b>\$ 1,852</b>	<b>\$ 16,222</b>	<b>\$ 8,564</b>	<b>\$ 1,862</b>	<b>\$ 10,426</b>	<b>\$ 8,134</b>	<b>\$ 1,873</b>	<b>\$ 10,007</b>

## Commercial vs In-House Breakout

## Commercial Cloud

Cloud Provider	Cloud Service Name	Cloud Service	Appropriation	FY 2018 TOA	FY 2019 Request	FY 2020 Budget
AWS	AWS: GovCloud - IL4	IaaS/PaaS	Operations (O&M)	\$ 989	\$ 638	\$ 40
<b>AWS Subtotal</b>				<b>\$ 989</b>	<b>\$ 638</b>	<b>\$ 40</b>
Microsoft	Microsoft: Azure - IL4	IaaS/PaaS	Operations (O&M)	\$ 8,094	\$ 7,926	\$ 8,094
<b>Microsoft Subtotal</b>				<b>\$ 8,094</b>	<b>\$ 7,926</b>	<b>\$ 8,094</b>
TBD	TBD	SaaS	Operations (O&M)	\$ 5,287	\$ -	\$ -
<b>TBD Subtotal</b>				<b>\$ 5,287</b>	<b>\$ -</b>	<b>\$ -</b>
<b>NAVY Commercial Cloud Total</b>				<b>\$ 14,370</b>	<b>\$ 8,564</b>	<b>\$ 8,134</b>

## In-House Cloud

Organization	Cloud Service Name	Cloud Service	Appropriation	FY 2018 TOA	FY 2019 Request	FY 2020 Budget
All	In-House	IaaS/PaaS	Operations (O&M)	\$ 1,851	\$ 1,862	\$ 1,873
All	In-House	IaaS/PaaS	Operations (O&M)	\$ -	\$ -	\$ -
All	In-House	IaaS/PaaS	Operations (O&M)	\$ 1	\$ -	\$ -
	In-House	IaaS/PaaS	Operations (O&M)	\$ -	\$ -	\$ -
<b>AIR FORCE In-House Cloud Total</b>				<b>\$ 1,852</b>	<b>\$ 1,862</b>	<b>\$ 1,873</b>



### National Guard FY 2020 President's Budget Request (PB) Cloud Profile

#### National Guard Breakout by Appropriations (Dollars in Thousands)

Organization	Appropriation Type	FY 2018 TOA			FY 2019 Request			FY 2020 Budget		
		Commercial	In-House	Total	Commercial	In-House	Total	Commercial	In-House	Total
ARMY	Operations (O&M)	\$ 9,083	\$ 1,851	\$ 10,934	\$ 8,564	\$ 1,862	\$ 10,426	\$ 8,134	\$ 1,873	\$ 10,007
<b>ARMY Subtotal</b>		<b>\$ 9,083</b>	<b>\$ 1,851</b>	<b>\$ 10,934</b>	<b>\$ 8,564</b>	<b>\$ 1,862</b>	<b>\$ 10,426</b>	<b>\$ 8,134</b>	<b>\$ 1,873</b>	<b>\$ 10,007</b>
AIR FORCE	Operations (O&M)	\$ -	\$ 1	\$ 1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>AIR FORCE Subtotal</b>		<b>\$ -</b>	<b>\$ 1</b>	<b>\$ 1</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
<b>National Guard Total</b>		<b>\$ 9,083</b>	<b>\$ 1,852</b>	<b>\$ 10,935</b>	<b>\$ 8,564</b>	<b>\$ 1,862</b>	<b>\$ 10,426</b>	<b>\$ 8,134</b>	<b>\$ 1,873</b>	<b>\$ 10,007</b>

#### Commercial vs In-House Breakout

##### Commercial Cloud

Cloud Provider	Cloud Service Name	Cloud Service	Appropriation	FY 2018 TOA	FY 2019 Request	FY 2020 Budget
AWS	AWS: GovCloud - IL4	IaaS/PaaS	Operations (O&M)	\$ 989	\$ 638	\$ 40
<b>AWS Subtotal</b>				<b>\$ 989</b>	<b>\$ 638</b>	<b>\$ 40</b>
Microsoft	Microsoft: Azure - IL4	IaaS/PaaS	Operations (O&M)	\$ 8,094	\$ 7,926	\$ 8,094
<b>Microsoft Subtotal</b>				<b>\$ 8,094</b>	<b>\$ 7,926</b>	<b>\$ 8,094</b>
<b>ARMY Commercial Cloud Total</b>				<b>\$ 9,083</b>	<b>\$ 8,564</b>	<b>\$ 8,134</b>

##### In-House Cloud

Organization	Cloud Service Name	Cloud Service	Appropriation	FY 2018 TOA	FY 2019 Request	FY 2020 Budget
All	In-House	IaaS/PaaS	Operations (O&M)	\$ 1,851	\$ 1,862	\$ 1,873
All	In-House	IaaS/PaaS	Operations (O&M)	\$ 1	\$ -	\$ -
<b>AIR FORCE In-House Cloud Total</b>				<b>\$ 1,852</b>	<b>\$ 1,862</b>	<b>\$ 1,873</b>



## Reserve FY 2020 President's Budget Request (PB) Cloud Profile

## Reserve Breakout by Appropriations (Dollars in Thousands)

Organization	Appropriation Type	FY 2018 TOA			FY 2019 Request			FY 2020 Budget		
		Commercial	In-House	Total	Commercial	In-House	Total	Commercial	In-House	Total
NAVY	Operations (O&M)	\$ 5,287	\$ -	\$ 5,287	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>NAVY Subtotal</b>		<b>\$ 5,287</b>	<b>\$ -</b>	<b>\$ 5,287</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
AIR FORCE	Operations (O&M)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>AIR FORCE Subtotal</b>		<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
<b>Reserve Total</b>		<b>\$ 5,287</b>	<b>\$ -</b>	<b>\$ 5,287</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

## Commercial vs In-House Breakout

## Commercial Cloud

Cloud Provider	Cloud Service Name	Cloud Service	Appropriation	FY 2018 TOA	FY 2019 Request	FY 2020 Budget
TBD	TBD	SaaS	Operations (O&M)	\$ 5,287	\$ -	\$ -
<b>TBD Subtotal</b>				<b>\$ 5,287</b>	<b>\$ -</b>	<b>\$ -</b>
<b>NAVY Commercial Cloud Total</b>				<b>\$ 5,287</b>	<b>\$ -</b>	<b>\$ -</b>

## In-House Cloud

Organization	Cloud Service Name	Cloud Service	Appropriation	FY 2018 TOA	FY 2019 Request	FY 2020 Budget
All	In-House	IaaS/PaaS	Operations (O&M)	\$ -	\$ -	\$ -
All	In-House	IaaS/PaaS	Operations (O&M)	\$ -	\$ -	\$ -
<b>AIR FORCE In-House Cloud Total</b>				<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>