



## **DoIT Operations** Monthly Report



Published January 11, 2020

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### DoIT OPERATIONS: Applications Infrastracture Services SERVICE AVAILABILITY

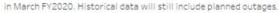
#### Last 12 months

Service	Target	December %	January %	February %	March %	April %	May %	June %	July %	August %	September %	October %	November %
API Manager	99.00%	100.00	100.00	100.00	100.00	★89.24	★90.06	★96.18	100.00	100.00	100.00	100.00	<b>★</b> 97.38
Enterprise Content Management (ECM)	99.00%	100.00	100.00	★97.56	99.96	100.00	100.00	★97.78	100.00	100.00	★98.76	★73.25	100.00
Enterprise Service Bus (ESB)	99.00%	100.00	100.00	100.00	100.00	100.00	<b>★</b> 93.30	100.00	100.00	100.00	100.00	100.00	100.00
Knowledgebase (KB)	99.00%	100.00	100.00	100.00	99.95	99.91	100.00	99.90	100.00	100.00	100.00	100.00	100.00
My UW	99.00%	100.00	100.00	99.91	99.78	100.00	100.00	100.00	100.00	100.00	99.58	100.00	100.00
NetID Login	99.90%	100.00	100.00	100.00	99.97	100.00	99.98	100.00	100.00	100.00	100.00	100.00	100.00
Shared Web Hosting	99.00%	100.00	99.98	★98.72	<b>★</b> 83.37	99.93	★ 97.21	99.33	100.00	100.00	100.00	100.00	100.00
Wisc Web	99.00%	100.00	99.98	★97.55	★75.41	99.82	100.00	★ 94.99	99.99	99.91	100.00	★ 98.69	99.93
			+ <b>D</b> Pal	Ta	rget Colors								

★ Below Target Above Target

NOTES:

\*To more closely align Service Availabilty reporting with WisclT reporting, planned outages will not be included in SA calculations beginning



This visualization was created by DolT in the Department of User Services.

### DoIT OPERATIONS: IAM SERVICES OVERVIEW

### Help Desk Resolution Rates for IAM Services During November

	All Incidents	% of Incidents	Incidents Created by HD	Resolved by HD	* HD % Resolution	*** First Contact Resolution Rate	** Customer Satisfaction	IAMA Tananah
Multi-factor Authentication (MFA)	1,072	30.5%	1,064	1,010	94.2%	94.7%	95.2%	IAM Target: HD % Resolution At or above 85.0%
NetID Account Management	1,889	53.7%	1,874	1,767	93.5%	86.9%	97.9%	2020 Gartner Benchmark: First Contact Resolution Above 74.0%
All IAM Incidents	3,516	100.0%	3,003	2,830	93.3%	89.6%	96.9%	IAM Target: Customer Satisfaction At or above 85.0%

### IAM Services Annual Help Desk Contacts

		Ju	ıly			Aug	just		S	Septe	mbe	r		Octo	ober			Nove	mbe	r	De	cemb	per	Ja	nuar	ry	Fe	brua	ary	1	Marc	h		April	1		May			June	
4,000 2,000	0	ŋ	1,155	1,524	880	80	1,308	2,196	2	0	2,049	1,952	921	1,501	4,248	2,389	1,369	1,985	3,142	3,003	2,435	3,241	3,484	1,404	1,997	3,436	1,104	1,934	2,151	1,813	2,734	2,507	925	1,487	1,452	4	1,259	1,334	35	1,234	1,696
0 NOTES:	FY 2018 640	FY 2019 71	FY 2020	FY 2021	FY 2018 88	FY 2019	FY 2020	FY 2021	FY 2018 77	FY 2019 800	FY 2020	FY 2021	FY 2018 9:	FY 2019	FY 2020	FY 2021	FY 2018	FY 2019	FY 2020	FY 2021	FY 2018	FY 2019	FY 2020	FY 2018	FY 2019	FY 2020	FY 2018	FY 2019	FY 2020	FY 2018	FY 2019	FY 2020	FY 2018 9	FY 2019	FY 2020	FY 2018 73	FY 2019	FY 2020	FY 2018 83	FY 2019	FY 2020

\*Resolution Percentage = incidents resolved by the Help Dest rather than being escalated to a specific service team

\*\* Survey respondents rate satifaction on a 7 point scale in response to: "We value your opinion. How was your experience with us?" - HDI has changed their measure of Customer Satisfaction sufficiently to warrant transitioning away from that benchmark. Until a suitable benchmark can be located and evaluated, we have set a User Services target.

\*\*\* First Contact Resolution has been defined as a phone incident opened by the Help Desk and resolved by the Help Desk, within one hour of the incident being created. As only phone incidents are looked at this metric may be blank if no phone incidents were reported for that service during the previous month.

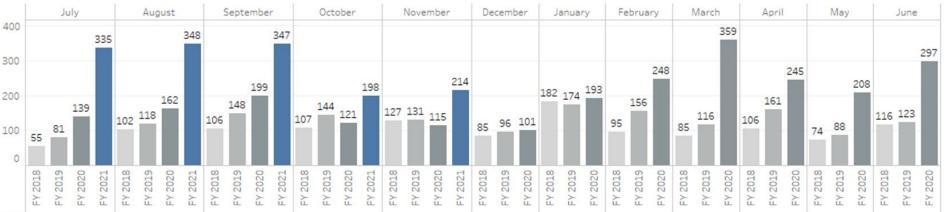


### DoIT OPERATIONS: AIS-Web Platform Services

### Help Desk Resolution Rates for WPS Services During November

	All Incidents	% of Incidents	Incidents Created by HD	Resolved by HD	* HD % Resolution	*** First Contact Resolution Rate	** Customer Satisfaction	AIS-WPS Targets: HD % Resolution by Service
MyUW Madison/System	136	36.6%	134	114	★ 83.6%	85.3%	★ 84.6%	MyUW Madison/ System - 85% Shared Tools - 15%
UW Madison Knowledgebase (KB)	34	9.1%	3	1	★ 33.3%	100.0%		UW Madison Knowledgebase - 10% Web Hosting - 5% WiscWeb - 45%
Web Hosting	123	33.1%	6	3	50.0%		100.0%	2020 Gartner Benchmark: First Contact Resolution ■ Below 74.0% ★
WiscWeb	74	19.9%	71	30	★ 42.3%	★ 60.0%	91.6%	Above 74.0% WPS Services Target:
Shared Tools	5	1.3%						Customer Satisfaction At or above 85.0% Below 85.0% ★

#### WPS Services Annual Help Desk Contacts



NOTES:

\*Resolution Percentage = incidents resolved by the Help Dest rather than being escalated to a specific service team

\*\* Survey respondents rate satisfaction on a 7 point scale in response to: "We value your opinion. How was your experience with us?" - HDI has changed their measure of Customer Satisfaction sufficiently to warrant transitioning away from that benchmark. Until a suitable benchmark can be located and evaluated, we have set a User Services target.

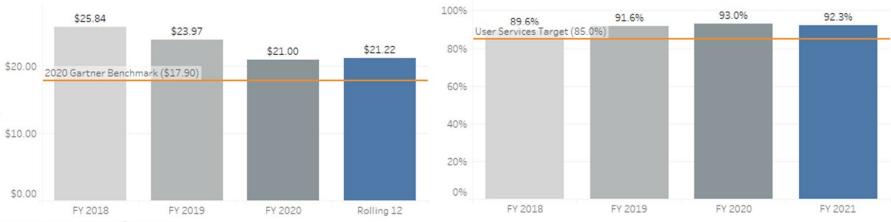
Trist Contact Resolution has been defined as a phone incident opened by the Help Desk and resolved by the Help Desk, within one hour of the incident being created. As only phone incidents are looked at this metric may be blank if no phone incidents were reported for that service during the previous month.





Cost per contact

### DoIT OPERATIONS: US-HELP DESK OVERVIEW



### Cost per Contact

\* Customer Satisfaction

# **Customer Satisfaction**

		92.4%	93.1%	93.5%93.3%	93.6%	94.3%	92.2%	93.7%	94.4%	92.8%	93.2%
0.9%		01.00/	92.4% 89.1%	90.6%	91.1%	92.1%		92.3%	92.2%	91.8%	92.0%
8.6%	89.4%	91.0%	88.9%	89.7%	91.170	90.1%	90.0%	90.0%	90.1%	89.2%	
ser Services Targ	et (85.0%)	86.4%									
		er Services Target (85.0%)	er Services Target (85.0%) 86.4%	8.6% 89.4% 88.9% er Services Target (85.0%) 86.4%	8.6% 89.4% 89.7% er Services Target (85.0%) 85.4%	8.6% 89.4% 88.9% 89.7% er Services Target (85.0%) 86.4%	8.6% 89.4% 88.9% 89.7% 90.1%	8.6% 89.4% 90.1% 90.0% eer Services Target (85.0%) 86.4%	8.6% 89.4% 90.0% 90.0% 90.0% 90.0%	8.6% 89.4% 90.0% 90.0% 90.0% 90.1%	8.6% 89.4% 90.0% 90.0% 90.1% 89.2%

NOTES: Survey respondents rate satifaction on a 7 point scale in response to: "We value your opinion. How was your experience with us?"

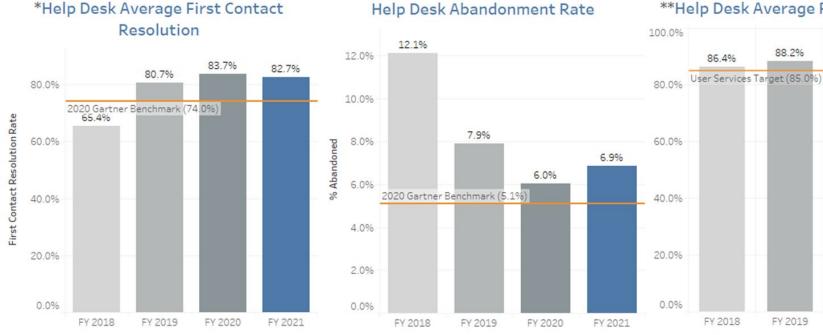
\*HDI has changed their measure of Customer Satisfaction sufficiently to warrant transitioning away from that benchmark. Until a suitable benchmark can be located and

evaluated, we have set a User Services target.

Gartner 2019 Benchmark Cost Per Contact is \$16.30.

This visualization was created by DolT in the Department of User Services.





### Help Desk Abandonment Rate

### **\*\***Help Desk Average Resolution Rate

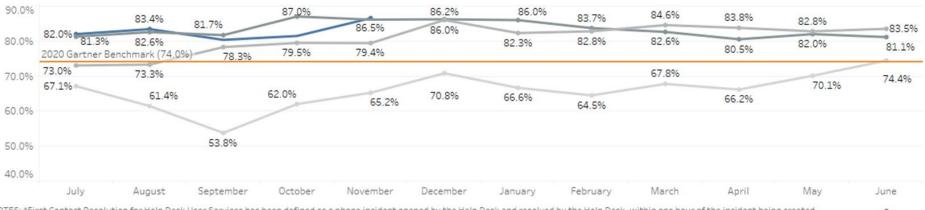
91.4%

FY 2020

91.3%

FY 2021

### Help Desk YOY First Contact Resolution



NOTES: \*First Contact Resolution for Help Desk User Services has been defined as a phone incident opened by the Help Desk and resolved by the Help Desk, within one hour of the incident being created. \*\*Help Desk Average Resolution: defined as a phone incident opened anywhere and resolved by the Help Desk. Gartner 2019 Benchmark Abandonment Rate is 7.4% and First Contact Resolution is 70.6%.

This visualization was created by DolT in the Department of User Services.



### Help Desk Resolution Rates for Top 10 Supported-Services in November

	Incidents Created by HD	% of Incidents	HD Resolved	** HD % Resolved
NetID Account Management	1,874	26.8%	1,753	93.5%
Multi-factor Authentication (MFA)	1,064	15.2%	1,004	94.4%
Referrals	538	7.7%	501	93.1%
Office 365	499	7.1%	411	★ 82.4%
UW-Madison Zoom	237	3.4%	203	85.7%
Learn@UW - Canvas Madison	201	2.9%	156	★ 77.6%
Personal Software Support	162	2.3%	148	91.4%
Incident Response and Investigations, BadgIRT (Security)	158	2.3%	71	★ 44.9%
DoIT Departmental Support, Software	143	2.0%	86	★ 60.1%
MyUW Madison	121	1.7%	99	★ 81.8%

User Services Target: HD % Resolution

★ Below 85.0% At or above 85.0% \* Help Desk Annual Contacts

15,000		Ju	ly			Aug	gust		1	Septe	mbe	r		Octo	ober		1	Nove	mber	r	De	cemb	er	Ja	nuar	y	Fe	brua	ry	N	March	1		April			May			June	
10,000					78	8,799	0	8,017	8,681	9,890	13,885	9,405		9	10,139	œ		,810	8,287				2	00	12	8,945					,438	9,337									
5,000	5,434	5,934	6,123	6,173	7,678		7,050	8,					6,475	7,226	l	7,138	6,871	7,8	00	6,984	6,779	7,027	7,427	7,378	7,512		6,084	7,064	6,614	6,559	Ø		6,121	6,876	6,448	5,570	6,112	5,641	5,870	5,871	6,537
0	FY 2018	FY 2019	FY 2020	FY 2021	FY 2018	FY 2019	FY 2020	FY 2021	FY 2018	FY 2019	FY 2020	FY 2021	FY 2018	FY 2019	FY 2020	FY 2021	FY 2018	FY 2019	FY 2020	FY 2021	FY 2018	FY 2019	FY 2020	FY 2018	FY 2019	FY 2020	FY 2018	FY 2019	FY 2020	FY 2018	FY 2019	FY 2020	FY 2018	FY 2019	FY 2020	FY 2018	FY 2019	FY 2020	FY 2018	FY 2019	FY 2020

NOTES: \* Walk-in incidents are included for only FY20 to reflect the Walk-in & Help Desk merger

\*\*Resolution Percentage = incidents resolved by tier 1 or tier 2 support (instead of escalating to a specific service team)

This visualization was created by DolT in the Department of User Services.

### DoIT OPERATIONS: US-PRODUCTIVITY AND COLLABORATION SERVICES OVERVIEW

### **Resolution Rates for PCS Services During November**

	All Incidents	% of Incidents	Incidents Created by HD	Resolved by HD	* HD % Resolution	*** First Contact Resolution Rate	** Customer Satisfaction	
Office 365	512	49.2%	499	418	★82.4%	75.7%	92.0%	User Services Target: HD% Resolution
UW-Madison Zoom	284	27.3%	237	204	85.7%	77.1%	91.2%	At or above 85.0%
UW-Madison Box	87	8.4%	65	47	85.3%	100.0%	94.3%	2020 Gartner Benchmark:
UW-Madison Google Apps	72	6.9%	68	60	★72.3%	89.5%	87.1%	First Contact Resolution ■ Below 74.0% ★
WiscList	54	5.2%	44	33	★75.0%	92.3%	100.0%	Above 74.0% User Services Target:
Qualtrics	24	2.3%	16	16	93.8%	★ 60.0%	100.0%	Customer Satisfaction At or above 85.0%
Cloud Fax	8	0.8%	8	3	★ 37.5%	100.0%		

#### PCS Services Annual Help Desk Contacts

June		878 910 1,033	
May		823 883 805	FY 2018 FY 2019 FY 2020
April		973 1,210 951	FY 2018 FY 2019 FY 2020
March		730 995 1,134	FY 2018 FY 2019 FY 2020
February		807 959 821	FY 2018 FY 2019 FY 2020
January		950 806	FY 2018 FY 2019 FY 2020
December		695 592 681	FY 2018 FY 2019 FY 2020
November		966 915 704 937	FY 2018 FY 2019 FY 2020 FY 2021
October		860 1,108 917 1,315	FY 2018 FY 2019 FY 2020 FY 2021
September	2,126	1,097	FY 2018 FY 2019 FY 2020 FY 2021
August		977 1,196 977 990	FY 2018 FY 2019 FY 2020 FY 2021
July	0	756 860 832 969	FY 2018 FY 2019 FY 2020 FY 2021
	2,000	1,000	

NOTES:

\*Resolution Percentage = incidents resolved by the Help Dest rather than being escalated to a specific service team

\*\* Survey respondents rate satifaction on a 7 point scale in response to: "We value your opinion. How was your experience with us?" + HDI has changed their measure of Customer Satisfaction sufficiently to warrant transitioning away from that benchmark. Until a suitable benchmark can be located and evaluated, we have set a User Services target.

\*\*\*\* First Contact Resolution has been defined as a phone incident opened by the Help Desk and resolved by the Help Desk, within one hour of the incident being created. As only phone incidents are looked at this metric may be blank if no phone incidents were reported for that service during the previous month.



### DoIT OPERATIONS: US-DEPARTMENTAL SUPPORT OVERVIEW

#### July August September October November December January February March April May June 1,000 924 892 832 804 801 771 756 800 733 676 666 665 613 576 599 605 586 584 565 483 463 495 495 546 560 555 600 537 477 478 511 513 512 503 462 437 395 419 427 424 413 407 400 340 200 0 FY 2018 FY 2018 2018 FY 2018 FY 2018 2018 2019 2018 2019 2020 2018 2019 2019 FY 2018 2019 FY 2019 2020 FY 2018 FY 2020 FY 2019 FY 2020 FY 2018 2019 FY 2019 FY 2020 2020 2021 2020 2020 FY 2019 FY 2020 FY 2021 FY 2020 2019 2019 2021 FY 2018 2021 2021 FY 2020 FY 2020 2 2 ž ž Y Y ¥ ž Y ž X ž Ł ž Y Ł à 2 Y **Customer Satisfaction** 100% 98.6% 96.0% 98.1% 97.3% 97.8% 97.4% 97.1% 97.0% 98.0% 98.1% 98.0% 97.1% 94.7% 94.1% 95.4% 96.5% 96.2% 94.6% 93.1% 95.3% 95.0% 92.9% 93.7% 93.5% 93.0% 92.9% 92.7% 92.6% 92.7% 92.4% 90% 91.5% 88.6% User Services Target (85.0%) 80% 70%

### Departmental Support Annual Contacts

NOTES: Departmental Support Annual Contacts represent cases resolved by DS teams.

August

July

Survey respondents rate satifaction on a 7 point scale in response to: "We value your opinion. How was your experience with us?"

October

September

7 Completely satisfied, 6 Mostly satisfied, 5 Somewhat satisfied, 4 Neither satisfied nor dissatisfied, 3 Somewhat dissatisfied, 2 Mostly dissatisfied, 1 Completely dissatisfied

November

HDI has changed their measure of Customer Satisfaction sufficiently to warrant transitioning away from that benchmark. Until a suitable benchmark can be located and evaluated, we have set a User Services target.

December

January

February

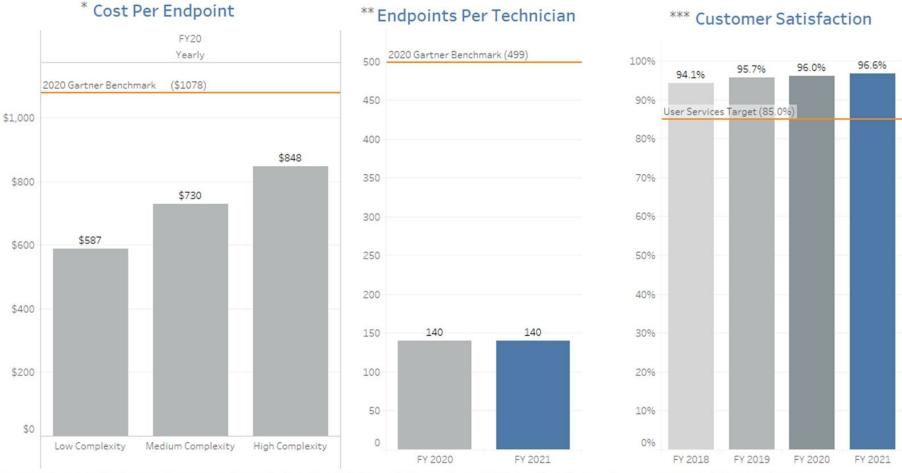
March

April

May

June

### DoIT OPERATIONS: US-DEPARTMENTAL SUPPORT METRICS



The price per endpoint calculation uses representative contracts to demonstrate the the cost for low, medium, and high complexity for support contract customers (where complexity is a composite of factors such as diversity of supported models, geographic dispersion and scope of supported services).

\*FY20 will be used due to a six-month minimum to capture the 2020 Gartner benchmark.

\*\*2020 Gartner Benchmarks include printers. We are exploring the ramifications for our reporting methods. 2019 Gartner benchmark was 283 Endpoints per Technician. Updated July 2020.

\*\*\*Survey respondents rate satifaction on a 7 point scale in response to: "We value your opinion. How was your experience with us?"

Until a suitable benchmark can be located and evaluated, we have set a User Services target.

2019 Cost Per Endpoint Benchmark was \$988 and our complexity levels for FY19 were \$587 for low complexity, \$783 for medium complexity, and \$977 for high complexity.

This visualization was created by DolT in the Department of User Services.



### DoIT OPERATIONS: DEPARTMENTAL SUPPORT SERVICE LEVEL AGREEMENT (SLA) RESPONSE RATE SLA = One hour acknowledgement

Incident Priorities 3 & 4



Included incidents fall under a Departmental Support SLA of one hour response time and are owned or resolved by a DS team or created, owned, and resolved by HDL2 working on Departmental Support cases. All services and categories are included. Priority definitions included in Technical Notes.

### DoIT OPERATIONS: ENTERPRISE BUSINESS SYSTEMS SERVICE AVAILABILITY

Last 12 months

Service	Target	December %	January %	February %	March %	April %	May %	June %	July %	August %	September %	October %	November %
		★ 98.562		99.603		99.313	100.000		100.000	100.000			100.000
HRS	99.000%	★ 98.562	100.000	99.603	100.000	99.313	100.000	★ 98.935	100.000	100.000	★91.271	★ 96.013	100.000
SFS	99.000%	99.943	99.918	99.968	99.941	99.989	99.464	100.000	100.000	100.000	100.000	100.000	99.799
SIS	99.000%	99.893	99.594	100.000	100.000	99.998	100.000	100.000	100.000	99.953	100.000	100.000	100.000
Informatica (FASTAR)	99.000%	★ 98.253	★ 98.356	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000
UWBI (OBIEE)	98.000%	★ 97.984	★ 97.260	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000
Workload Automation	99.000%	★ 98.904	★ 98.904	★98.904	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000
				t Colors elow Target	Above T	arget							

NOTES:

\*To more closely align Service Availability reporting with WisclT reporting, planned outages will not be included in SA calculations beginning in March FY2020. Historical data will still include planned outages.



### DoIT OPERATIONS: NETWORK SERVICES-WAN SERVICE AVAILABILITY

Network	Target	September %	October %	November %	Network	Target	Septemb %	October %	November %	Network	Target	September %	October %	November %
Upham Woods	99.900%	99.949	99.922	★ 98.059	UW Platteville	99.900%	100.000	100.000	100.000	UWC Manitowoc	99.900%	100.000	100.000	100.000
UW Colleges Extension	99.900%	100.000	100.000	100.000	UW River Falls	99.900%	100.000	99.970	100.000	UWC Marathon Co.	99.900%	100.000	99.970	100.000
UW Eau Claire	99.900%	100.000	100.000	100.000	UW Stevens Point	99.900%	100.000	99.970	100.000	UWC Marinette	99.900%	<b>★</b> 99.393	99.970	100.000
UW Green Bay	99.900%	100.000	99.970	100.000	UW Stout	99.900%	100.000	99.970	100.000	UWC Marshfield Wood Co.	99.900%	100.000	99.961	100.000
UW Health	99.900%	100.000	100.000	100.000	UW Superior	99.900%	100.000	99.970	100.000	UWC Richland	99.900%	99.984	100.000	100.000
UW La Crosse	99.900%	100.000	100.000	100.000	UW Whitewater	99.900%	100.000	100.000	100.000	UWC Rock Co.	99.900%	100.000	99.970	100.000
UW Madison	99.900%	100.000	<mark>99.970</mark>	100.000	UWC Baraboo Sauk Co.	99.900%	100.000	<b>★</b> 99.480	100.000	UWC Sheboygan	99.900%	100.000	100.000	100.000
UW Milwaukee	99.900%	100.000	100.000	100.000	UWC Barron Co.	99.900%	100.000	99.970	100.000	UWC Washington Co.	99.900%	100.000	100.000	100.000
UW Oshkosh	99.900%	100.000	<mark>9</mark> 9.970	100.000	UWC Fond du Lac	99.900%	100.000	100.000	100.000	UWC Waukesha	99.900%	100.000	99.970	100.000
UW Parkside	99.900%	100.000	100.000	100.000	UWC Fox Valley	99.900%	100.000	100.000	100.000					

Target Colors

★ Below Target Above Target

-Availability is for wired (not wi-fi) connectivity at each instituation. Availability calculated as total uptime / total time per month. Wide Area Network is considered down when completely disconnected from the system (i.e. both routers down at 4-year schools, the single router down at 2-year schools). Any planned outages are included in the calculations, sometimes making availability appear below commercial standards of 99.9% or 99.99% uptime.

-The 99.9% SLA rate with UW System is for unplanned outages; the figures in this table include all outages – planned or unplanned. SLA faults here (highlighted in RED) may not actually be an SLA agreement fault.



#### DoIT OPERATIONS: WAN SPEEDS - NETWORK SERVICES

	IN					0	UT		
		20-Sep	20-0ct	20-Nov	6		20-Sep	20-0ct	20-Nov
UW-Madisor campus	n Avg (Gb/sec)	7.90	7.70	7.60	UW-Madison campus	Avg (Gb/sec)	2.40	2.50	2.50
	Max (Gb/sec)	19.70	17.50	16.30		Max (Gb/sec)	4.70	14.70	14.20
	Min (Gb/sec)	1.90	1.90	1.70		Min (Gb/sec)	1.20	1.10	0.91
	% of full capacity (100Gbps)	7.90	7.70	7.60		% of full capacity (100Gbps)	2.40	2.50	2.50
UW-Madison Av research	n Avg (Gb/sec)	15.60	13.60	16.20		Avg (Gb/sec)	17.90	16.30	15.90
	Max (Gb/sec)	47.10	60.30	90.30		Max (Gb/sec)	60.30	54.00	60.20
	Min (Gb/sec)	5.70	4.90	6.20		Min (Gb/sec)	5.40	4.70	4.50
	% of full capacity (100Gbps)	15.60	13.60	16.20		% of full capacity (100Gbps)	17.90	16.30	15.90
Internet Exchange	Avg (Gb/sec)	6.20	6.10	6.90	Internet Exchange	Avg (Gb/sec)	7.20	6.60	6.60
(MadIX)	Max (Gb/sec)	12.90	11.90	13.40	(MadIX)	Max (Gb/sec)	13.20	10.70	10.50
	Min (Gb/sec)	0.50	0.00	0.00		Min (Gb/sec)	2.10	0.00	0.00
	% of full capacity (20Gbps)	31.00	30.50	34.50		% of full capacity (20Gbps)	36.00	33.00	33.00

-Average (mean) network usage includes night and weekend readings of typically much lower traffic. Averages for UW–Madison Campus Internet Access and UW–Madison internet Exchange will likely be lower in summer months than they are during the academic year.

-95th percentile usage is a more common industry standard than avg/max/min for measuring utilization; Network Services is working on providing that measure as well in future reports.

A peering exchange, such as the Madison Internet Exchange, enables networks to interconnect directly to each other and exchange IP (Internet) traffic. Peering is the exchange between two independent networks for the benefit of both networks.

-The target for WAN speeds is a capacity threshold instead of a specified speed to maintain. When 95th percentile speeds reach about 45-55% of capacity, there is an engineering exploration to determine the was of increased usage and whether increased capacity is warranted.

This visualization was created by DolT in the Department of User Services.

### DoIT OPERATIONS: NETWORK SERVICES-WIRELESS ACCESS POINTS

Airwave 1 Total Controllers: 8 Total APs: 4211	Target	December	January	February	March	April	May	June	July	August	September	October	November
Access Points Avg. Uptime per Day	99.50%	99.89%	99.81%	99.73%	99.73%	★ 99.48%	★ 99.16%	★ 99.14%	★99.20%	★ 98.97%	★98.56%	★ 98.51%	★ 98.47%
Avg. AW1-Controller Uptime per Day	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
Avg. Number of APs Down per Day		31.58	23.87	26.55	26.52	41.23	53.65	56.27	56.61	76.42	89.10	88.65	77.53
Airwave 2 Total Controllers: 8 Total APs: 4684	Target	December	January	February	March	April	May	June	July	August	September	October	November
Access Points Avg, Uptime per Day	99.50%	99.98%	99.92%	99.96%	99.92%	99.92%	99.83%	★ 99.45%	★ 99.37%	99.71%	99.84%	99.80%	99.77%
Avg. AW2-Controller Uptime per Day	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
Avg, Number of APs Down per Day		11.23	16.90	7.97	19.42	21.57	46.71	33.27	34.48	27.42	14. <mark>1</mark> 0	15.87	29.60
Airwave 3 Total Controllers: 4 Total APs: 2796	Target	December	January	February	March	April	May	June	July	August	September	October	November
Access Points Avg Uptime Per Day	99.50%		99.95%	99.95%	99.95%	99.93%	99. <mark>84</mark> %	99.79%	99.81%	99.77%	99.64%	99.70%	99.80%
Avg. AW3-Controller Uptime per Day	100.00%		★ 99.99%	100.00%	100.00%	100.00%	★ 99.61%	<b>★</b> 99.98%	100.00%	100.00%	100.00%	100.00%	100.00%
Avg Number of APs Down per Day			6.61	1.59	1.52	14.50	5.65	9.77	9.29	25.81	15.77	18.94	11.50
Airwave is the HPE/Aruba network manage networks, specifically designed with mobil and performance of wireless networks and	e devices in m	ind. It enables	proactive mo				Access Points At or abo Below 99	ve 99.5%	At 1	er Uptime Be 00.0%% w 100.0% ★			() Dol

## DoIT OPERATIONS: OPERATIONS ENGINEERING INCIDENT SUMMARY

our wor	nths Incident Summary by Subcategory	August	September	October	November
Campus	AANTS	5	4	2	5
Network	Bandwidth Threshold Alarm	2	1	3	3
	Firewall/Problem		2	5	1
	Firewall/Rules	1	2	1	4
	Port Error Threshold Alarm		1	1	1
	Request/Data Jack/Activation	6	1	2	1
	Request/Data Jack/Installation	1			
	Request/DHCP	2	4	3	
	Request/DNS/Hostmaster	1	1	3	
	Request/DNS/Network Services	15	5	16	10
	Request/Equipment Installation		1	1	1
	Request/Hardware	7	4	2	3
	Request/IP Allocation	24	35	19	14
	Video				1
	Wired Network Issue	2	8	12	3
	Wireless	6	14	9	9
	Wireless Device Registration	2	1	1	
Campus	Device Registration HAP	21	18	6	4
Network He	o HAP Reset		1	1	1
	Latency or Packet Drop		1		3
VPN	Client Issue	1	1		2
	Submit Incident	14	11	9	3
eduroam	Submit Incident			1	1
	Troubleshooting				1
Others		3	3	1	1
Grand Tota	al	113	119	98	72

#### **OpEng YOY Incident Summary**



NOTES: Incident counts are pulled directly from WiscIT (Powered by Cherwell) as incidents touched by the OpEng Team

### DoIT OPERATIONS: SYSTEMS ENGINEERING AND OPERATIONS SERVICE AVAILABILITY

Last 12 months		December	January	February	March	April	May	June	July	August	September	October	November
Service	Target	%	%	%	%	%	%	%	%	%	%	96	%
Bucky Backup	99.000%	100.000	100.000	100.000	99.870	99.386	100.000	100.000	100.000	99.615	<b>★</b> 95.769	★98.329	99.188
Campus Card Access	99.500%	★97.749	100.000	★98.904	100.000	100.000	100.000	100.000	100.000	99.617	100.000	100.000	100.000
Campus Computing Infrastructure	99.500%	100.000	100.000	100.000	100.000	100.000	99.989	100.000	100.000	100.000	100.000	100.000	★99.477
Life Safety, Environmental Control, Fire Alarm Monitoring	99.900%	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000
MS SQL Shared Hosting	99.000%	99.966	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000
PCI	99.500%	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000	100.000
Report Distribution (Cypress)	98.000%	98.925	★97.233	★96.244	100.000	99.921	99.921	100.000	99.664	100.000	100.000	100.000	99.799
Select Agent	99.900%	100.000	100.000	100.000	100.000	100.000	★97.258	100.000	100.000	100.000	100.000	100.000	100.000
Storage	99.900%	100.000	100.000	100.000	★95.616	100.000	100.000	100.000	★98.132	100.000	100.000	100.000	100.000
Video Monitoring System	99.900%	100.000	100.000	100.000	100.000	100.000	100.000	100.000	99.973	100.000	100.000	100.000	100.000
WiscIT (Cherwell)	99.500%	100.000	<b>★</b> 97.320	100.000	100.000	100.000	100.000	99.944	99.630	100.000	100.000	★86.962	100.000

Target Colors

★ 📕 Below Target 🖉 Above Target

NOTES:

\*To more closely align Service Availability reporting with WisciT reporting, planned outages will not be included in SA calculations beginning in March FY2020. Historical data will still include planned outages.





## DoIT OPERATIONS: SOLUTIONS ENGINEERING SYSTEMS MANAGEMENT SUMMARY

	SLA % Availability	Availability % of Total Time	Number of Servers Managed	Customer Requests	Servers per FTE	Gartner 2020 Average Servers/FTE
Windows	99.950	99.970	338	88	112.7	279.0
Linux	99.950	99.990	443	151	147.7	268.0

### Top Customers By Percentage of Labor Hours

DolT - Public Cloud Service	1	(18.30%)
DoIT Internal Customers	2	(13.40%)
DoIT - Microsoft SQL Server Hosting	3	(6.90%)
HRS	4	(3.00%)
UWPD	5	(2.80%)
SFS	6	(2.30%)
Globus	7	(1.50%)
WHS	8	(1.10%)
UW Communications	9	(0.90%)
Work to support prospective customers	10	(0.70%)
InfoAccess	10	(0.70%)
Vulnerability Management	10	(0.70%)

### Top Customers By Server Count

Cybersecurity	1	(84 Servers)
SFS, HRS	2	(80 Servers)
Identity and Access Management	3	(54 Servers)
DolT Web Platform Services	4	(42 Servers)
Student Information System	5	(38 Servers)
SysNet	6	(37 Servers)
Database Aggregation (FASTAR)	7	(25 Servers)
Office 365	8	(24 Servers)
Imaging	8	(24 Servers)
DoIT Service Management	10	(20 Servers)
Wisconsin Historical Society	10	(20 Servers)



### DoIT OPERATIONS: SOLUTIONS ENGINEERING VULNERABILITIES SUMMARY

#### Four Months Vulnerability Summary

Туре	Severity	August	September	October	November	*Active & Urgent Vulnerabilities
Potential Vulnerability	1	1	1	1	2	Active & orgene valuerabilities
	2	3	6	4	1	
	3	8	16	32	36	102
	4	1	1		1	102
Vulnerability	1	9	13	77	13	
	2	28	4	145	112	
	3	770	115	580	2,028	Remaining From November
	4	828	141	1,020	2,490	
	5	509	89	125	543	
Vulnerability or Potential Vulnerability	2				2	1
	3	5	8	6	4	_
	4	2	2	7	10	
	5	3	3		1	
Grand Total		2,167	399	1,997	5,243	

#### **SEO YOY Vulnerabilities Summary**



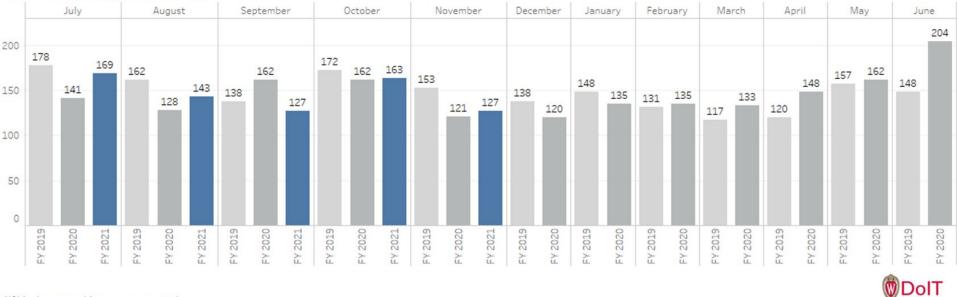
\*\*Remediated data is currently not available prior to August 2018

## DoIT OPERATIONS: SYSTEMS & NETWORK CONTROL CENTER

#### \* Four Months Network Problem Summary

Technical Service	August	September	October	November
Boreas	12	6	8	13
Campus Network	104	79	71	96
MUFN	5	1	4	5
Northern Tier	1	1	1	3
UW SysNET	15	8	14	15
Grand Total	137	95	98	132

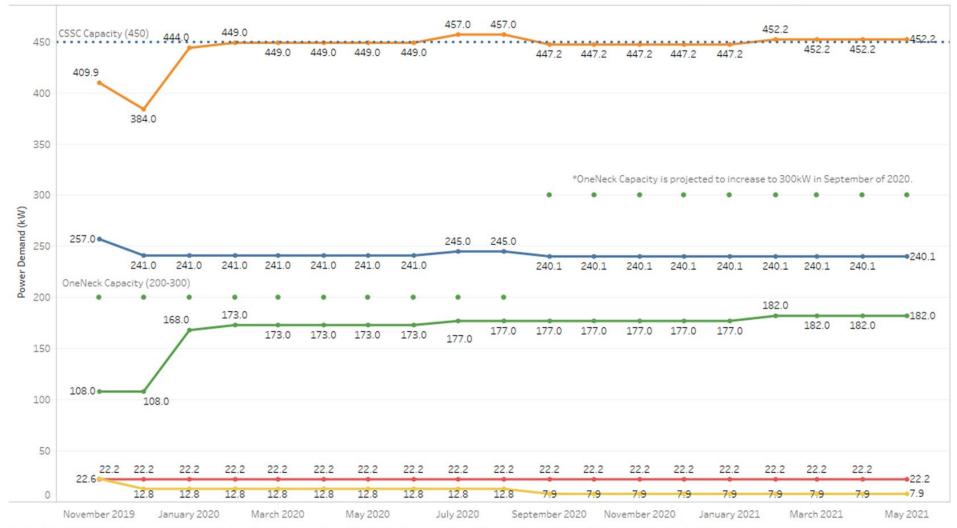
### SEO YOY Outage Summary



\*If blank, zero problems were reported.

#### Data Center Power Demand Forecast





-OneNeck footprint is trending up as WIPAC (IceCube) continues its evacuation of 222 W. Washington and we shift more of our mission-critical systems Site A to OneNeck. -CSSC footprint is trending up significantly due to research storage, CyberSecurity Elastic servers, and updates to Select Agent and other infrastructure. -WARF is being evacuated through attrition.

-MFCB will slightly decline as we propose to move Select Agent Site B from MFCB to OneNeck, pending Network Services design.

This visualization was created by the Department of User Services.

### DOIT OPERATIONS- DIGITAL PUBLISHING & PRINTING SERVICES

#### **DPPS** Rework Information



#### \* Total Revenue





#### **Total Jobs**



### Average On-Time Percentage by Stream

· · · · · · · · · · · · · · · · · · ·		*	Below 99.90%	At or Above 99.90%				
	April	May	June	July	August	September	October	November
Contract	★ 95.24%	100.00%	★ 95.65%	100.00%	100.00%	100.00%	100.00%	100.00%
Digital Black	100.00%	100.00%	★ 97.56%	100.00%	★ 92.09%	★ 96.92%	<b>★</b> 94.00%	100.00%
Digital Color	★ 96.43%	<b>*</b> 93.55%	★ 95.76%	100.00%	★ 94.87%	<b>★</b> 93.67%	★ 93.96%	★ 99.40%
Extension DPC	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
Large Format	100.00%	★ 0.00%	* 85.71%	100.00%	★ 97.69%	★ 95.80%	100.00%	100.00%
Offset Print	100.00%	★ 92.68%	★ 97.14%	100.00%	★ 94.55%	★ 93.84%	★ 96.96%	★ 94.25%
School of Human Ecology DPC	100.00%	<b>★</b> 98.53%	100.00%	100.00%	100.00%	★ 99.01%	100.00%	100.00%
WEBCRD **	100.00%	★ 0.00%	★ 0.00%	100.00%	100.00%	100.00%	100.00%	
WSB DPC	100.00%	★ 90.63%	★ 0.00%	100.00%	★ 97.84%	★ 96.77%	100.00%	100.00%

\* Total Revenue adjusted in June FY20 and August FY21 by +/- \$385K

\*\* NOTE: As of November 2020, WEBCRD has been consolidated into WSB DPC.

This visualization was created by DolT in the Department of User Services.

### DoIT OPERATIONS: ACADEMIC TECHNOLOGY-LEARN@UW USAGE & SUPPORT

		Jul-20	Aug-20	Sep-20	Oct-20	Nov-20
Kaltura	Incidents Resolved by Help Desk	24	100	146	62	36
Mediaspace	Incidents Resolved by Learn@UW Madison	24	45	41	18	22
ineuraspace	Average Play Time (mins)	10	7	12	13	14
	Contributors				3,244	3,744
	Duration of uploaded media				304,308	249,786
	New Media Assets	6,264	8,993	19,437	16,481	14,395
	Number of Plays	379,200	238,773	1,535,005	1,404,686	1,127,236
	Storage Utilized (TB)	82	85	92	98	102
	Time Played (mins)	3,919,185	1,656,188	18,167,594	18,658,422	15,889,960
	Total Media Assets	154,243	163,051	180,086	196,291	210,776
	Unique viewers				29,537	27,740
	Incidents Resolved by Help Desk	4	1	4	2	1
Turnitin	Incidents Resolved by Learn@UW Madison	0	0	0	2	1
	Active Classes	140	368	533	599	581
	Active Instructors	187	417	615	812	863
	Instructor Accounts	2,046	2,237	2,423	2,580	2,670
	Student Accounts	18,702	18,794	26,134	28,836	30,053
	Submissions	8,368	2,985	29,475	50,541	43,242
	Incidents Resolved by Help Desk	1	2	1	0	2
	Incidents Resolved by Learn@UW Madison	17	18	13	7	3
ACAR	New Pressbooks this Month	16	20	5	9	9
	New Storyline 360 Modules this Month	1	0	4	0	0
	Total Pressbooks	490	510	515	524	533
	Total Storyline 360 Modules	180	180	184	184	184
	Unique Users	5,463	7,211	7,954	8,242	8,271
	Incidents Resolved by Help Desk	209	442	647	270	171
	Incidents Resolved by Learn@UW Madison	200	256	221	126	97
Canvas	Active For-Credit Courses	904	910	3,878	3,945	3,964
	Active Training Courses	472	552	573	590	591
	Unique Instructors	1,554	1,591	5,431	5,566	5,668
	Unique Students	14,169	14,112	42,399	42,520	42,421

#### Notes:

Learn@UW: A suite of centrally-supported technologies for instructional usage; used by instructors and/or students. Learn@UW includes the services reported and other learning technologies.

#### Kaltura

Media Asset: An individual media item uploaded to Kaltura - most often this is a video or audio file, but it could also be an image

Time Played: Total amount of time all Kaltura media assets were played during the month

Avg. Play Time: Time played divided by number of plays

Unique Viewers: Students, most often

Duration of uploaded media: length (minutes) of new video assests this month. Contributors: Persons uploading assests to Kaltura - most often instructors.

-Total media assets for current month does not equal total media assets from previous month plus new media assets in current month because some user have deleted assets in the meantime

 Reported numbers of unique viewers is low by an unknown amount of users because Kaltura Mediaspace does not collect unique user data for media embedded via iframes or assets that allow public viewers

#### Turnitin

Active Classes: The number of classes that had any activity (submissions, marks, assignment creation, new students, etc.) within the month

Active Instructors: Like active classes-the number of unique instructors associated with active classes

Student Accounts: The total number of student accounts as of end date (cumulative) Instructor Accounts: The total number of instructor accounts as of end date (cumulative) Submissions: Typically text documents in .doc, .pdf, other wordprocesing formats, or plain text

#### ACAR (Advanced Content Authoring and Reporting)

Pressbooks: Number of Pressbooks in the UW-Madison instance; each pressbook is a subsite on the UW-Madison instance

Storyline 360: Total number of storyline modules in all UW-Madison subsites on Grassblade.doit.wisc.edu

User: Anyone with an account in Pressbooks (whether as subscriber, editor, administrator, or super-admin)

#### Canvas

Active Course: A canvas shell is created for every course offered at UW-Madison. "Active" Canvas courses are those manually activated by an instructor Student: Any user enrolled in the canvas course with the "student" role (not instructors or admins)

Instructor: Number of Canvas course enrollments with the "instructor" role (predominately actual course instructors, occasionally will include a course coordinator or support staff)

## DoIT OPERATIONS: ACADEMIC TECHNOLOGY-LEARN@UW USAGE & SUPPORT

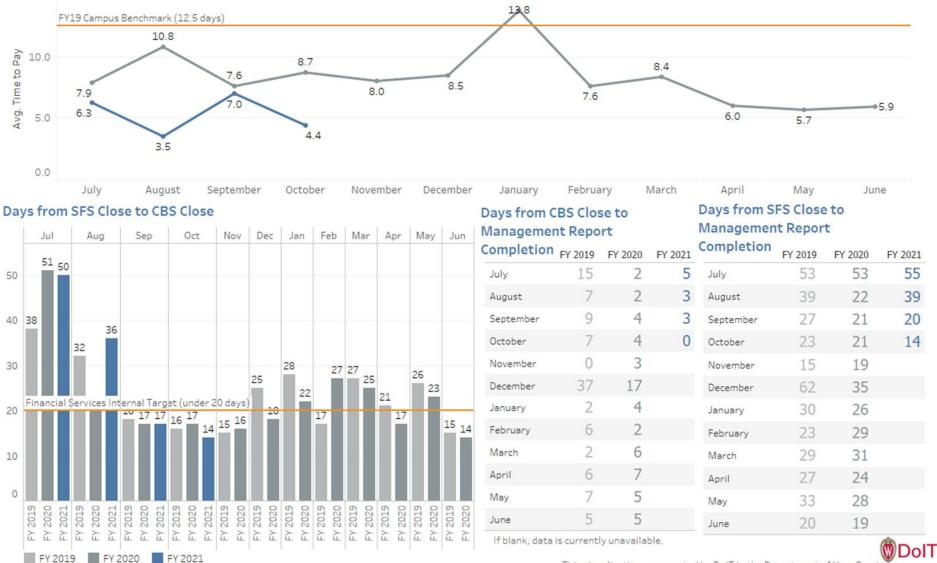
#### Notes:

	ĩ	Aug-20	Summer 2020	Sep-20	Oct-20	Nov-20	Atomic Assessments Active Course: Course with Atomic Assessments assignments that have been accessed in date range Instructors: Users with "instructors" role, which may include
	Unique Students	1.17 <b></b>		3,487	3,533		some number of course administrators, teaching assistants, or
Atomic	Instructors			400	390		other numbers for Atomic Assessments are for Dec 1-23. No use of Atomic Assessments is anticipated Dec 24-31. Any unforseen
Assessments	Incidents Resolved by Learn@UW Madison	9		10	9		usage will be updated in the January report.
	Active Courses			63	59		Top Hat
	Incidents Resolved by Help Desk	0		3	4	0	Active Course: Course with students and instructors enrolled that
7	Unique Students		1,365				the instructor has "published" or made available to students Student: Students with Top Hat licenses enrolled in an "active
*	Incidents Resolved by Learn@UW Madison		1	0	0	0	course"
* Top Hat	Active Courses		31				Instructor: Instructors with Top Hat licenses enrolled in an "active
	Incidents Resolved by Help Desk		0	3	0	0	course"
	Unique Instructors		52				Assessment Evaluation Feedback & Intervention System (AEFIS):
AEFIS	Incidents Resolved by Learn@UW Madison	40		54	128	140	CE Response Rate: Percentage of all potential student respondents that submitted an AEFIS course evaluation
AEFIS	Incidents Resolved by Help Desk	6		2	9	20	DESL Usage: Uses a direct evidence of student learning curriculum
	Total exams	1,568		28,818	15,652	32,471	map at the program level and/or section level
	Unique students	1,001		12,666	4,639	16,192	Honorlock:
Honorlock	Total courses	25		196	39	219	Total exams: total exams proctored via Honorlock. If a class of 30
	Support tickets closed by Help Desk	94		36	16	6	students takes 1 exam, it's counted as 30 total exams.
	Support tickets closed by Learn@UW-Ma	14		9	20	10	Total courses: number of courses using Honolock to proctor exams.
	Exams per student	2		2	3	2	Exams per student: Mean number of exams taken per student among students who use Honolock for their course(s).

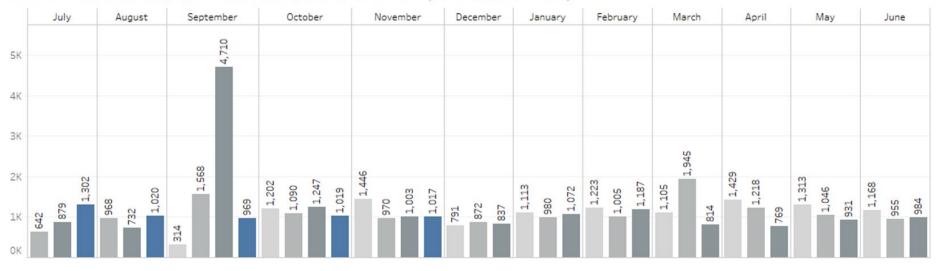
\*As of winter semester 2020, TopHat has transitioned from monthly reporting to semester reporting.

### DoIT OPERATIONS: FINANCIAL SERVICES

#### Average Number of Days to Pay: e-Reimbursement



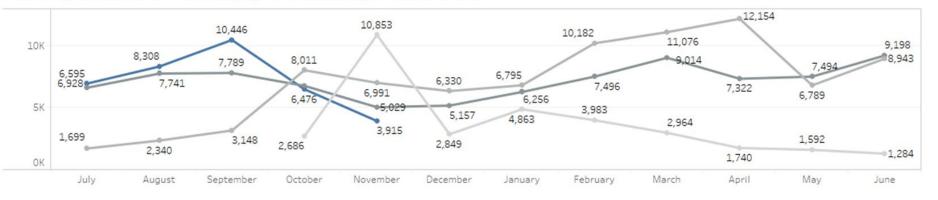
## DoIT OPERATIONS: CYBERSECURITY-CYBERSECURITY OPERATIONS CENTER



### Incidents Resolved by CyberSecurity Operations Center (Phishing excluded)

### Phishing Incidents Resolved by CyberSecurity Operations Center

FY 2018 FY 2019 FY 2020 FY 2021



Incidents noted are from all sources. Phishing cases include spam, and are autogenerated via user reporting to abuse@wisc.edu.

DolT

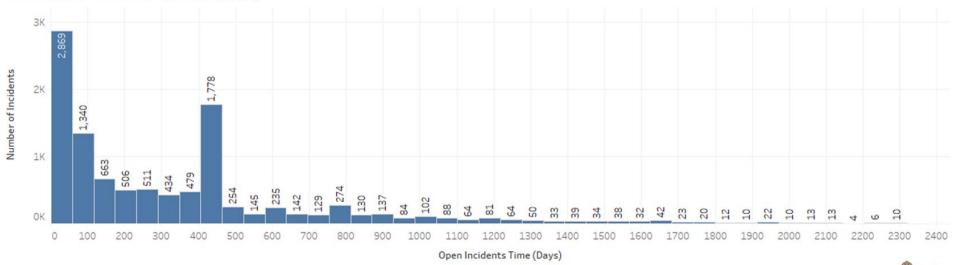
### DoIT INCIDENT AGING REPORT

NOTE: Open incidents analyzed through 12/01/2020

### Age of Open Incidents by Department

	Less Than 2 Days Old	Open Tickets $\!>\!2$ Days and $\!<\!2$ Weeks Old	Greater Than 2 Weeks Old	Greater Than 1 Month Old
AIS	57	247	730	630
Cybersecurity	114	213	2,274	2,155
NS	14	141	600	525
SEO	28	79	333	290
US	170	799	3,591	3,392
Other	48	172	1,485	1,416
Total	431	1,651	9,013	8,408
Total	431	1,651	9,013	8,408

### Total Open Incidents by Age (days)



() DolT

## Metrics Report Monthly Updates

There are no new updates this month.



## DoIT OPERATIONS: TECHNICAL NOTES

HD: Walk-in created incidents are considered Help Desk incidents begining in FY20 due to the merger between former Tech Store (Service Desk) and the Help Desk that began on July 1st, 2019. HD-Overview: Cost per contact FY19 will be used due to a six month minimum to calculate the gartner benchmark. 2018 HDI Benchmarks will be used until the release of 2019 numbers. HD-Benchmark Details: First Contact Resolution for Help Desk User Services has been defined as an incident opened by the Help Desk and resolved by the Help Desk, within one hour of the incident being created.

HD-Ivy: All chats are first handled by the AI, Ivy. If the AI is unable to answer a question or a user requests to speak to an agent, then the chat will be handed off to an available agent. If an agent is not available an email incident is created from the chat and sent to the Help Desk email queue. The color indicates where the chat ended; either with an agent or with the AI.

DS-Overview: Total number of endpoints that have been verified via IBM BigFix: within the past 45 days as of 11/5/2019

DS-SLA Response Rate: Priority matrix obtained from WiscIT. In Priority 1 cases, an entire department is unable to perform duties and there is no workaround available. Priority 2 cases involve one or multiple users being unable to perform duties without a workaround, or an entire department only able to perform partial duties. Priority 3 cases include an entire department or any number of its users being able to perform duties with a workaround, or one or multiple users being able to only perform partial duties. Priority 4 cases are for deferred cases or monitoring / tracking.

SEO-Service Availability: New services were added in March & April 2019

Active & Urgent Vulnerabilities: Number of active vulnerabilities with a severity of 4 or 5 Financial Services:

Average number of Days to Pay: E-reimbursement: Length of time, in days, from point that the requests enter the Financial Services queue to reimbursement payment to the employee. Note: this is a metric measured by campus, so we are using campus average as a point of comparison.

Days from SFS Close to CBS Close is the amount of days from Campus Financial close to DoIT CBS close.

Days from CBS Close to Management Report is the amount of days from DoIT CBS close to the DoIT Manager Report finalization.

Days from SFS Close to Management Report is the amount of days from Campus Financial close to the DoIT Manager Report finalization.

Cybersecurity-Cybersecurity Operation Center: Includes the following categories with noted exclusions: Compromised Credentials; Copyright (excl. Campus Network Housing subcategories); CSOC; DNS Block Request; Duo Fraud; e-Discovery; Investigation (excl. Missing Person); Phishing; Suspicious Activity Report (excl. Shadowserver).



## DoIT OPERATIONS: TECHNICAL NOTES

#### **Digital Publishing and Printing Services definitions**

Rework: Work that needs to be reprinted due to operator error or miscommunication from internal staff.

Average Rework percentage: Derived percentage of total jobs requiring rework.

Sales: Monthly revenue from sale of print and print related projects.

Jobs: Total number print and print related projects per month.

Average on-time percentage by stream: Percentage of projects per production category completed by customer negotiated deadline.

#### **Category Definitions**

NetID Account Management: Password resets and NetID change requests Office 365: Support for @wisc.edu email and Microsoft Apps UW C/EX Support: Any incident from a Colleges or Extensions user Referrals: Unsupported services referred to other departments General Departmental Support: Incidents from departmentally supported users BadgIRT: Incidents regarding security disabled accounts Point of Sale (Tech Store): Any incident regarding the Tech Store Campus Network: Connectivity issues to UW-Net and device registration Learn@UW - Canvas Madison: Support to UW-Madison students & staff with Canvas Multi-Factor Authentication (MFA): Support to UW-Madison students, faculty, and staff with the MFA Learn@UW: A suite of centrally-supported technologies for instructional usage; used by instructors and/or students. Learn@UW includes the services reported on the previous page and other learning technologies.



### **DOIT INCIDENT AGING REPORT - TECHNICAL NOTES**

Incidents in the 'Greater Than 1 Month Old' column are also included in the 'Greater Than 2 Weeks Old' column.

### WiscIT Teams in Each Department

#### AIS

Active Directory, ADI-IA Student Data Integration, ADI-Internal Apps, ADI-Web and Mobile Solutions, ECRT, ECS-Equipment Checkouts, IAM, Manifest Grouping Email, Manifest-Grouping, Manifest-Grouping Email, MiddleWare, Middleware Temp, Multi-Factor Authentication, MyUW, NetID-AcctAdmin, NetID-Login, Server Certificate Service, Shared Tools, Shared Web Hosting, UW Digital ID, UW KnowledgeBase, WiscWeb CMS, WiscWeb CMS Developers

#### Cybersecurity

Security, Security Incident, Security-Authorize, Security-BADGIRT, Security-CSOC Review, Security-Dept, Security-GRC, Security-HRS Attestation, Security-IT Access, Security-OCIS, Security-Tools

#### NS

NS-App Admins, NS-Apps AANTS, NS-Campus, NS-Dept, NS-Field Services, NS-Field Services-Voice, NS-Firewall, NS-Layer 4, NS-OpEng, NS-OpEng-Monitoring, NS-PCI, NS-Video, NS-Voice, NS-Voice, NS-Voice-Cellular, NS-Voice-Cisco, NS-Voice-EUC, NS-Voice-Legacy, NS-WAN, SA-NS

#### <u>SEO</u>

DRMT-All, DRMT-Data Tools, DRMT-Database, DRMT-DBA, DRMT-Enterprise Tools, DRMT-InfoAccess, DRMT-Tools, SA-SE, SA-Virtualization, SE, SE-AD, SE-AIX, SE-Audit, SE-BuckyBackup Support, SE-Critical Infrastructure, SE-DSA, SE-Linux, SE-OSX, SE-Solaris, SE-Storage Team, SE-Virtualization, SE-Windows, SEO-Dept, SEO-Firewall, SEO-Mainframe, SNCC-Network, SNCC-NTN-ND, SNCC-SysNet, SNCC-Systems Management

#### US

KB Site Helpdesk, Logistics, O365 Technical/Functional, PCS-Dept, PCS-0365 Service Delivery, PCS-Shared Hosting, SA-RaDS, US-Dept, US-DS, US-DS Andover, US-DS Application Support, US-DS Big Fix, US-DS Desktop Bascom, US-DS Desktop Contract, US-DS Desktop DEM, US-DS Desktop DoIT, US-DS Desktop RSO, US-DS Desktop UCOMM-UMARK, US-DS Desktop WGNHS, US-DS EMS, US-DS Endpoint Management, US-DS GDS Student, US-DS Kiosks, US-DS Office 365 OSC, US-DS Operations, US-DS PCI, US-DS SAS, US-DS SEAM, US-DS Select Agent Labs, US-DS Service Leads, US-DS SOAR, US-Help Desk, US-Help Desk ALF/PAF, US-Help Desk Closure, US-Help Desk Development, US-Help Desk EAST, US-Help Desk EAST DS, US-Help Desk Email, US-Help Desk Email Test, US-Help Desk HDQA, US-Help Desk Internal, US-Help Desk Operations, US-Help Desk SMPH Support, US-Help Desk Tools, US-Help Desk UW C/EX Support, US-Help Desks UW CEOEL Support, US-Infolabs Kiosks, US-Metrics and Data, US-PM, US-PM Apple, US-PM Dell, US-PM Hardware, US-PM Mathat&StatsPKGS, US-PM Software, US-Repair Billing, US-Repair Hardware, US-Repair Internal, US-Repair Parts, US-Repair Pickup (333ECM), US-Repair Pickup (Comp Sci), US-Repair Pickup (HSLC), US-Repair Printer, US-Repair Software, US-Service Desk (HSLC), US-Repair Printer, US-Repair Software, US-Service Desk

#### Other

All remaining DoIT WiscIT teams that are not included in the above lists.

