

PNNL-29532

ARAM Quick Start Guide

November, 2019

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ARAM Logging in



An email will be sent to the account associated with your ARAM login.

2

3

Copy the security code into the ARAM Security Code field.

	Email Ac
	emai
•	Passwor
^PNNL ARAM	-
ARAM Login Confirmation Code 12:20 AM	
Your security code is: 205898	

A.	RAM
Email Address	
email@mail.com	
Password	
	SIGN IN

Click Login again to continue

A-R	AM
Email Address	
email@mail.com	
Password	
Security Code	
719828	
CANCEL	SIGN IN
A About ARAM	Forgot your password?

ARAM Dashboard

Dashboard / 1



The ARAM dashboard gives you a quick snapshot of the current day's risk and countermeasure deployment profile.

- 1 The Risk Status guage shows the current remaining risk as well as the unmitigated risk (risk before countermeasures deployed) and the amount of risk that has been bought down by the deployment.
- 2 The Heatmap snapshot gives a high-level overview of the remaining risk by area, and the number of countermeasures deployed to each.
 - 3 Risk by Area displays the maximum and boughtdown risk at each area.

- 4 Countermeasure Deployment shows the total number of countermeasures deployed and the number of hours each countermeasure type has been scheduled for.
- 5 The History chart displays the unmitigated risk (red line) and the remaining risk as deployed (blue line) for the past 30 days as day-by-day trend lines. The gray line represents the actual values of the risk, hour by hour.

ARAM Heatmap

1

Click **Show Heatmap** from the dashboard



View heatmap

2

ARAM	Portland International Airport Displayed date/time
PORT OF PORTLAND	Airport Map / Risk - 11/04/2019 - 900
∠ Airports	Outbound Flights Gate Name B Gates Planeside C Gates Planeside D Gates Planeside E Gates Planeside # of Passsengers 219 517 921 921 921 921 921 921 921 921 921 921
Dashboard	# of Flights 23 42 37 39 Passengers per gate
🔶 Heatmap	Flights per gate
C Schedule	
📩 Configuration	
∃≟ Risk Scores	
윤 Users	Countermeasures in area Countermeasures in area Heatmap legend Total countermeasures
⑦ Help and Support	Biak
About ARAM	Low Med High Countermeasures

ARAM Heatmap

3

4

Click on an area to view the area name, risk score and countermeasures details.



Click the settings tab to adjust the heatmap color scale, opacity of the background/map, and what the heatmap is measuring (Risk, # of countermeasures, passenger population).



1

Select **Schedule** from the left navigation

Click + Add Shifts

4.RAM	Portland International Airport CLAUDIA.HILDERBRAND@PHINL.GOV
PORT OF PORTLAND	Schedule shift templates : < → > Monday, November 04, 2019
	Timeline List CLEAR SCHEDULE + ADD SHIFTS
Dashboard	
Heatmap Schedule	VIS 000 100 200 300 400 500 600 700 800 900 1000 1100 1200 1300 1400 1500 1600 1700 1800 1900 2000 2100 2200 2300
Configuration	Arrivel Curbaide
	B Gates Planeside
	Baggage Claim C Gates Planeside
	Cargo
	Catering Checked Baggage Zone
	D Gates Planeside

2

Edit the first shift you want to add

ARAM		➢ Portland Inter	national Airport				CLAUDIA.HILDERBRAND@PNNL.GOV 👻
🗞 PORT O	F PORTLAND	< Schedule () Add Shifts					
		Countermeasure S	hifts to Schedule				
Dashboar		Select Type	⊂ Qty	11/04/2019	Shift Start 12:00 AM	Shift End 08:00 AM	VADD CANCEL
		VN Assignment	, R				
Schedule			c				
		Add another s	lift				
	es	GET SCHEDULE	CANCEL				
(?) Help and S							

3

Select the type of countermeasure, the quantity, shift start and end and select how you want ARAM to schedule the shift.



4 Click Add

Control of Port Local
Configuration
Conf



Add additional shifts

ARAM	➢ Portland International Airport						CLAUDIA HILDERBRAND@PNNL.GOV -
PORT OF PORTLAND	< Schedule () Add Shifts						
∠ Airports	Countermeasure Shifts to Schedule						
Dashboard	AOS	1 11/	04/2019	12:00 AM	08:00 AM	Let ARAM Decide	Z 1
Heatmap	Type Port Police	- 1 1	1/04/2019	Shift Start 10:00 AM	Shift End O 08:00 AM	VN Assignment Let ARAM Decide	✓ ADD CANCEL
Schedule	Add another shift						
∃≟ Risk Scores	GET SCHEDULE CANCEL						
윤 Users							
④ Help and Support							
A About ARAM							

6

After you have added all of your shifts, click **Get Schedule** at the bottom of the screen.

➢ Portland International Airport							CLAUDIA HILDERBRAN	DØPNNL
() Add Shifts								
Countermeasure Shifts to Schedule								
• AOS	1	11/04/2019	12.00 AM	08:00 AM	Let ARAM Decide		1	
Port Police	1	11/04/2019	10:00 AM	12:00 PM	Let ARAM Decide		1	
TSA ATLAS	3	11/04/2019	04:00 PM	08:00 PM	Let ARAM Decide		1	ŧ
• TSI	5	11/04/2019	11:00 PM	08:00 AM	Let ARAM Decide		1	
PDX Security	2	11/04/2019	07:00 AM	04:00 PM	Let ARAM Decide		1	
Add another shift GET SCHEDULE CANCEL								
	Portland International Airport O Add Shifts Countermeasure Shifts to Schedule AOS Port Police AOS TII POX Security Add enother whit GET EXPERIENCE CANCEL	Pertland International Aliport O Add Shifts Countermeasure Shifts to Schedule AOS 1 AOS 1 International Aliport AOS 1 International Aliport AOS 1 International Aliport Port Noice International Aliport Port Noice International Aliport Port Noice International Aliport International Alipor	▶ Partiand International Alipport © Add Shifts Counterneasure Shifts to Schedule 1 ● Add 1 ● Part Indice 1 ● Part Indice 1 ● Part Indice 3 ● TSIA_ATUAS 3 ● POX Security 2 ● POX Security 2 ● Add endorer with EXTENSE CANCEL	▶ Portland International Arport © Add Shifts I Counternessurs Shifts to Schedule I ● Add I ● Port Relee I ■ TBA ATLAS I ■ TBA I ■ Port Relee I ■ TBA I ■ TBA I ■ Port Relee I ■ Port Relee	▶ Pertland International Alignet © Add Shifts Countermeasure Shifts to Schedule 1 • AOS 1 11/64/2019 12:00 AM 06:00 AM • Port Pelice 1 11/64/2019 10:00 AM 06:00 AM • TISI 3 11/64/2019 04:00 PM 06:00 AM • TISI 5 11/64/2019 11:00 PM 06:00 AM • POX Security 2 11/64/2019 07:00 AM 06:00 PM • Add enother shift EXTENSION EXTENSION EXTENSION EXTENSION	▶ Pertland International Aliport © Add Shifts Counterneasure Shifts to Schedule ● Add 1 11/04/2019 12:00 AM 08:00 AM Let ANAM Decide ● Port Police 1 11/04/2019 10:00 AM 12:00 PM Let ANAM Decide ● TEA ATUAS 3 11/04/2019 06:00 PM 08:00 PM Let ANAM Decide ● TEA ATUAS 3 11/04/2019 11:00 PM 08:00 AM Let ANAM Decide ● TEA 5 11/04/2019 01:00 PM 08:00 AM Let ANAM Decide ● POX Security 2 11/04/2019 07:00 AM 04:00 PM Let ANAM Decide ● POX Security 2 11/04/2019 07:00 AM 04:00 PM Let ANAM Decide	▶ Portland International Aligorit © Add Shifts Contermeasure Shifts to Schedule • AdS 1 11/64/2019 1200 AM 0800 AM Let APAM Decide • Port Petice 1 11/64/2019 1200 AM 0800 AM Let APAM Decide • TSA ATLAS 3 11/64/2019 0400 PM 0800 AM Let APAM Decide • TSI 5 11/04/2019 1100 FM 0800 AM Let APAM Decide • Pot Security 2 11/04/2019 0700 AM 0400 PM Let APAM Decide • Pot Security 2 11/04/2019 0700 AM 0400 PM Let APAM Decide • Add secober shit EXECUTE EXECUTE EXECUTE EXECUTE EXECUTE	Portland International Algorit Concentremeasure Shifts Concentremeasure Shifts to Schedule Concentremeasure Shifts to

Schedule / 3

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ARAM will calculate the best assignments for lowering risk.

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		Getting	Schedule		
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					× 1

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Review the shift assignments

Scroll to the bottom of the screen and click Confirm Schedule

ARAM	▶ Portland Internatio	onal Airport		CI	AUDIA.HILDERBRAND@PNNI
Nort of Portland	< Schedule ③ Confirm Shift:	S			
	Confirm Countermeasu	ure Shifts Scheduled			
	CONFIRM SCHEDULE	PRINT CANCEL			
	TSI/1				
C) Schedule	Date	Start - End (Duration)	VN	Risk Buydown % (VN/Hour)	Risk Buydown Value
5 Schedule	11/04/2019	00:00 - 02:00 (2h)	Sundries & Supplies	44%	1.1
Configuration	11/04/2019	02:00 - 04:00 (2h)	Parking Garage	44%	0.7
	11/04/2019	04:00 - 05:00 (1h)	Arrival Curbside	44%	0.0
E Risk Scores	11/04/2019	05:00 - 09:00 (4h)	Parking Garage	44%	1.3
	TSI / 2				
	Date	Start - End (Duration)	VN	Risk Buydown %	Risk Buydown Value
	11/04/2019	00:00 - 02:00 (2h)	Parking Garage	44%	0.7
	11/04/2019	uz:uu - u3:u0 (1h)	Sundries & Supplies	44%	0.6
	11/04/2019	03:00 - 04:00 (1h)	Departure Curbside	44%	0.0

9 Click View Schedule

ARAM	▶ Portland International Airport	CLAUDIA.HILDERBRAND@PNNL.GOV -
PORT OF PORTLAND	< stateste Shifts Confirmed	
∠ Airports	Countermeasure Shifts have been scheduled	
E Dashboard	VIEW SCHEDULES	
Heatmap		
Schedule		
🙏 Configuration		
註 Risk Scores		
윤 Users		
(2) Help and Support		
About ARAM		

Schedule / 4

The optimized schedule will appear in timeline mode.

You can group the scheduled assignments either by area or by countermeasure type.

Click the **Group By** drop down to switch views.



PORT OF PORTLAND Timeline List Clear Schedule Airports Countermeasure - Area/VN Arrive Depart Shift Start Shift End Type Staft	NDD SHIFTS k Buydown
Countermeasure Array Arrive Depart Shift Start Shift End Type % Bit	k Buydown
∨ ● A0S / 1 Parking Garage 00:00 02:00 00:00 08:00 Optimized 44.0	0%
Dashboard A0S / 1 Parking Garage 00:00 01:00 00:00 Optimized 44.0	0%
Heatmap A0S/1 Parking Garage 01:00 02:00 00:00 08:00 Optimized 44.0	0%
Schedule AOS / 1 Sundries & Supplies 02:00 03:00 00:00 Optimized 44.0	8%
Configuration ● A0S / 1 North Checkpoint 03:00 04:00 00:00 Random 44.0	8%
규 Risk Scores 04:00 05:00 00:00 08:00 Random 44.0	8%
22 Users • AOS / 1 Sundries & Supplies 05:00 06:00 00:00 08:00 Random 44.0	8%
A0S / 1 Ticket Counter 06:00 07:00 00:00 08:00 Random 44.0	8%
● A0S / 1 Sundries & Supplies 07:00 08:00 00:00 08:00 Optimized 44.0	8%
→ ● PDX Security / 1 Parking Garage 07:00 09:00 07:00 16:00 Optimized 44.0	0%
O Help and Support PDX Security / 1 Cargo 09:00 10:00 07:00 16:00 Random 44.0	0%
About ARAM PDX Security / 1 Parking Garage 10:00 11:00 07:00 16:00 Optimized 44.J	0%

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You can also view the assignments in a list mode.

Click the List tab to switch to list view.

Click on each of the headers to change the way the list is sorted.