VMware Carbon Black Cloud (using Azure Functions) connector for Microsoft Sentinel

Using Azure Functions to connect Microsoft Sentinel to your data source	https://learn.microsoft.com/en-us/azure/sentinel/connect-azure-functions-template?tabs=ARM
The docs for CB Cloud for Sentinel	https://learn.microsoft.com/en-us/azure/sentinel/data-connectors/vmware-carbon-black-cloud-using-azure-function
Carbon Black API Notes	https://developer.carbonblack.com/reference/carbon-black-cloud/authentication/#index-of-base-urls

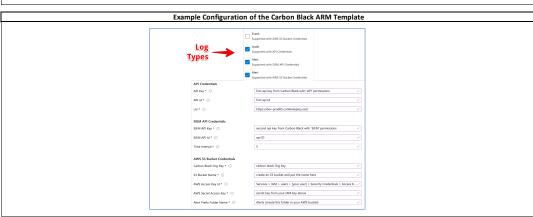
Get to know the variables you'll need to configure!		
apild	Carbon Black 'Endpoint Standard' API - This is for collecting the audit logs, but NOT the alerts! see below	
apiKey	Carbon Black 'Endpoint Standard' API - key for the above app ID	
workspaceID	you know this	
workspaceKey	you know this	
uri	Carbon Black web site: https://defense-prod05.conferdeploy.net/	
timeInterval	leave this at 5 (minutes)	
CarbonBlackOrgKey	8 alphanumeric value of your Carbon Black customer - see below.	
CarbonBlackLogTypes (this is set in the ARM template)	Check off the 2 'Alert' boxes and the 'Audit' box (optionally check 'Event')	
s3BucketName	in AWS, create this and give it a unique name	
EventPrefixFolderName	in AWS, create this and just name it 'Events'	
AlertPrefixFolderName	in AWS, create this and just name it 'Alerts'	
AWSAccessKeyld	Needed to process the alerts(notifications)	
AWSSecretAccessKey	Needed to process the alerts(notifications)	
SIEMapild - NOT Optional!!! (even though the Microsoft notes say it is)	Carbon Black 'Endpoint Standard' API - this is ANOTHER api key you need for the alerts! - see below.	
SIEMapiKey - NOT Optional!!! (even though the Microsoft notes say it is)	Carbon Black 'Endpoint Standard' API - key for the above app ID	

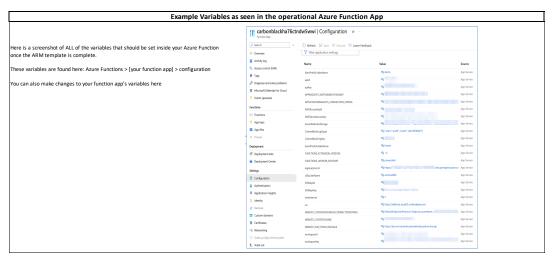
Step #1: Get an AWS Administrator to create the S3 bucket/folders and provide you the 3 'AWS' variables above in blue.		
An AWS S3 Bucket with 2 folders named 'Alerts' and 'Events',		
along with a user key and secret	For temporarily storing the alert/events being collected from Carbon Black	
	S3 buckets are needed (NOT optional for this connector!)	
	AWS > Services > IAM > users > [S3 storage user] > Security Credentials > Access Keys	
This is where you get the AWSAccessKeyld and AWSSecretAccessKey:	- you can have 2. If you don't know the key's secrect you'll have to create a new one.	
	AWS > Services > Storage > S3 > Create Bucket - leave defaults (block all public access)	
This is where you create the S3 bucket and the 2 folders:	Create 2 folders named "Alerts" and "Events"	

Step #2: Get the Carbon Black Administrator to create 2 API keys and provide you the customer OrgKey - for the variables above in red		
Creating the 2 API keys with 'API' and 'SIEM' permission types:	Settings > API Access > Access Levels tab. https://developer.carbonblack.com/reference/carbon-black-cloud/authentication/#index-of-base-urls	
Getting the OrgKey (8 alphanumeric characters)	Get this from the CB web console under Settings > API Access - it's in the top left corner of the screen.	
The Carbon Black 'Audit Logs' and 'Notifications' APIs are needed to pull the logs from CarbonBlack. The api keys needed to access these APIs need special access levels. Carbon Black calls these access level names the 'API' and 'SIEM' access level names respectively.	Ask the CB Administrator for 2 API keys. One of the keys should be given the 'API' access level - these are the Apild and ApilKey The other is given the 'SIEM' access level - these are the SIEMapilKey and SIEMapild	

Step #3 Deploy the Sentinel Connector for Carbon Black Cloud

In Sentnel, go to Connectors, find the Carbon Black Cloud data connector and deploy it. If you don't see the connector, go to the Content Hub and deploy the Carbon Black Cloud package first.







Carbon Black API Types - A bit more explanation on the CB 'API' and 'SIEM' Access Levels for your APIs

Sentinel needs to pull from the 'Audit Logs' api and the 'Notifications' apis

This requires 2 API keys from Carbon Black.

Carbon Black has pre-configure Access levels for these 2 APIs, named 'API' and 'SIEM'

Description of the 'Audit Logs' apis and the 'Notifications' apis

Intigs: //developer.carbonblack.com/reference/carbon-black.cloud/authentication/#index-of-base-urls

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Some KQL Query Examples		
default sample queries are here	https://learn.microsoft.com/en-us/azure/sentinel/data-connectors/vmware-carbon-black-cloud-using-azure-function	
	CarbonBlackNotifications_CL where threatHunterinfo_responseSeverity_d > 8 project threatInfo_summary_s, threatInfo_threatCause_actorName_s, threatHunterinfo_threatCause_actor s, threatInfo_threatCause_reason_s, threatHunterinfo_threatCause_actorName_s, threatHunterinfo_score_d, threatHunterinfo_summary_s, threatHunterinfo_responseSeverity_d, threatHunterinfo_targetProirity_s, type_s, deviceInfo_internalipAddress_s, deviceInfo_externalipAddress_s, deviceInfo_groupName_s, deviceInfo_deviceName_s, deviceInfo_deviceVersion_s, deviceInfo_email_s info_summary_s, threatHunterInfo_targetProirity_s, type_s, deviceInfo_internalipAddress_s, deviceInfo_externalipAddress_s, deviceInfo_groupName_s, deviceInfo_deviceName_s, deviceInfo_deviceVersion_s, deviceInfo_email_s	
	CarbonBlackNotifications_CL [summarize dcount(threatinfo_summary_s) by deviceInfo_deviceName_s [where dcount_threatinfo_summary_s> 1 [join CarbonBlackNotifications_CL on deviceInfo_deviceName_s [sort by deviceInfo_deviceName_s] [project deviceInfo_deviceName_s, threatHunterinfo_responseSeverity_d, threatInfo_summary_s, threatInfo_threatCause_actorName_s, threatHunterinfo_threatCause_actor_s, threatHunterinfo_threatCause_actor_s, threatHunterinfo_threatCause_actorName_s, threatHunterinfo_score_d, threatHunterinfo_summary_s, threatHunterinfo_threatCause_actorName_s, threatHunterinfo_score_d, threatHunte	
	CarbonBlackNotifications_CL where threathunterinfo_responseSeverity_d != "" summarize count! Dy deviceInfo_deviceName_s where count_> 1 join CarbonBlackNotifications_CL on deviceInfo_deviceName_s join CarbonBlackNotifications_CL on deviceInfo_deviceName_s sort by deviceInfo_deviceName_s joroject threatHunterinfo_responseSeverity_d, threatInfo_summary_s, threatInfo_threatCause_actorName_s, threatHunterinfo_threatCause_actor_s, threatInfo_threatCause_reason_s, threatHunterinfo_threatCause_actorName_s, threatHunterinfo_tor_d, threatHunterinfo_threatCause_actorName_s, threatHunterinfo_tor_d, threatHunterinfo_threatCause_actorName_s, threatHunterinfo_tor_d, threatHunterinfo_threatCause_actorName_s, threatHunterinfo_tor_d, threatHunterinfo_threatCause_actorName_s, thr	

Testing the Carbon Black API with curl		
Get Alerts/Notifications		
curl -H "X-Auth-Token:SIEMapiKey/SIEMapiID" "https://defense-prod05.conferdeploy.net/integrationServices/v3/notification"		
Get Audit logs		
curl -H "X-Auth-Token:ApiKey/ApiID" "https://defense-prod05.conferdeploy.net/integrationServices/v3/auditlogs"		