



TECHSUMMIT19

BARRACUDA TECHNICAL SUMMIT

Barracuda IoT Connect

Agenda

- Cloud and IoT
- Barracuda IoT architecture
- Introduce IoT Connect
- Live Demo – Easy to Deploy
- Live Demo – Easy to Use
- Licencing and Timelines – Easy to Buy
- Q&A

Next session – Deep dive what 'IoT Connect' does under the hood

Then – containers/edge computing on Secure Connector appliances

The logo consists of the letters 'IoT' in a bold, white, sans-serif font, centered on a solid blue square background.

Barracuda
IoT Connect



Introduction



Cloud & IoT

- Thousands of IoT devices create:
 - A connectivity challenge
 - Cloud provides the ideal highly scalable, highly available connectivity hub
 - A shit load of data
 - Cloud-centric
 - stream data to cloud where it can efficiently handle and process big data
 - Device-centric
 - data processed on device (edge + cloud)



"Connecting devices securely and reliably is often the biggest challenge in IoT solutions."

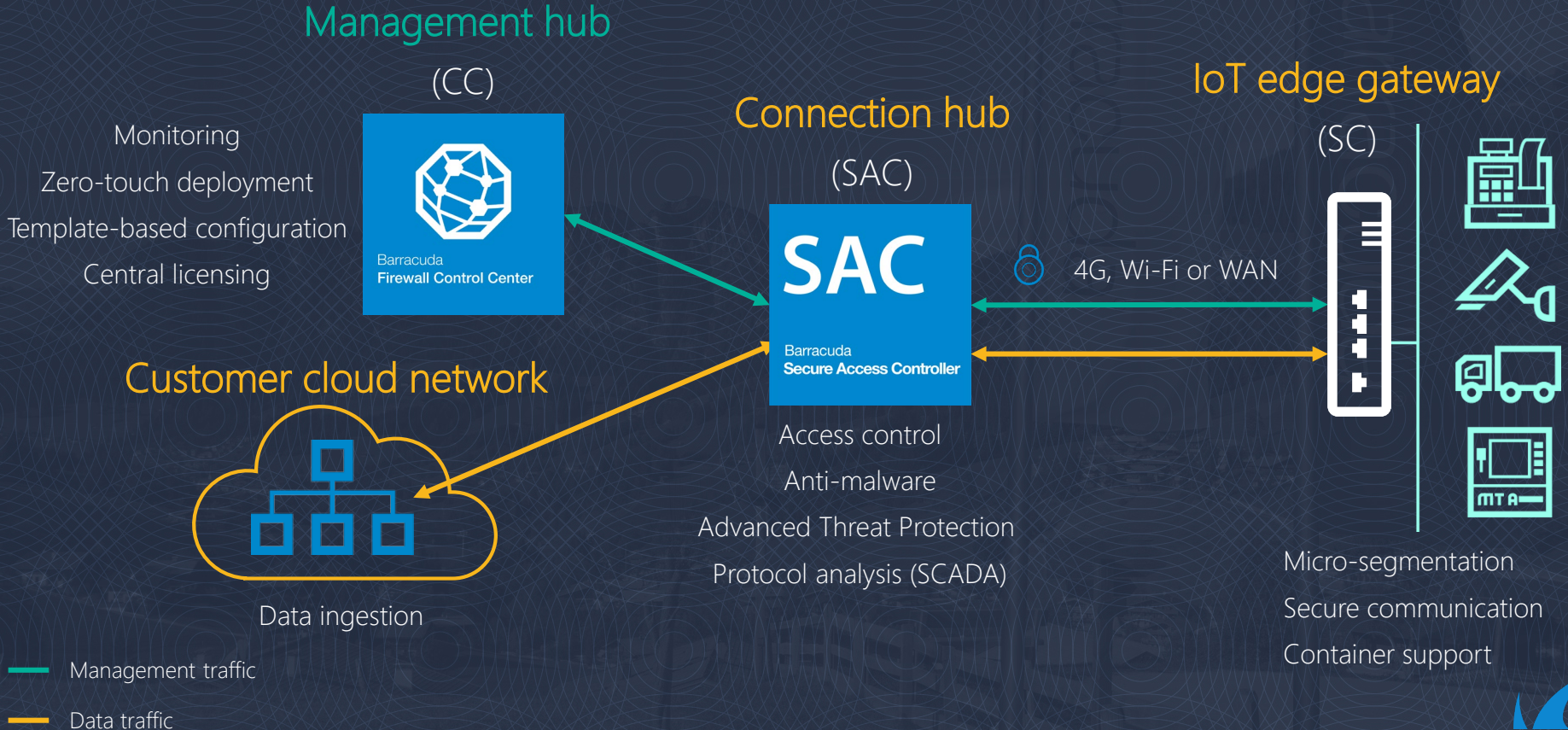
<https://docs.microsoft.com/en-us/azure/iot-fundamentals/iot-introduction>

"AT&T has recorded a 3198% increase in IoT vulnerability..."

<https://www.business.att.com/content/dam/attbusiness/reports/vol4-threatlandscape.pdf>

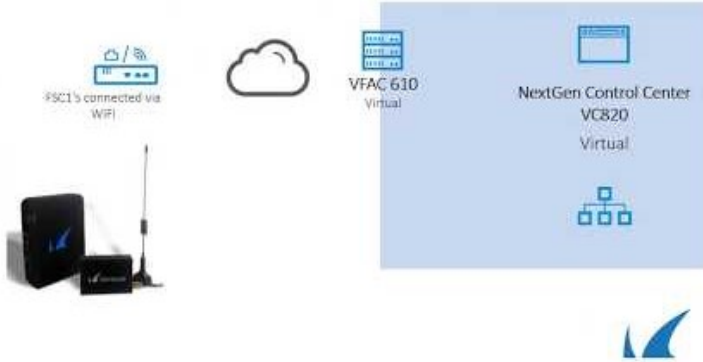


IoT security architecture

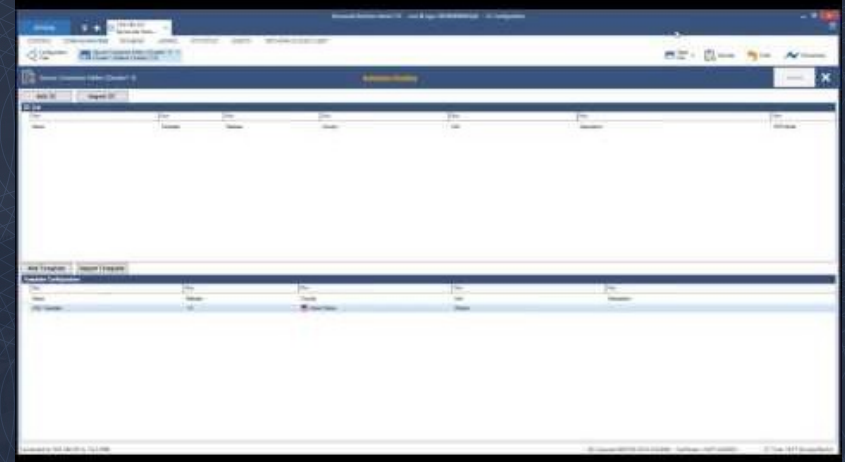


But setup = 1 day experienced tech

Setup for this How To



https://youtu.be/SYTWf1MN_fQ



<https://youtu.be/SlplyTrC5nM>

How can we make this easier?



IoT Connect

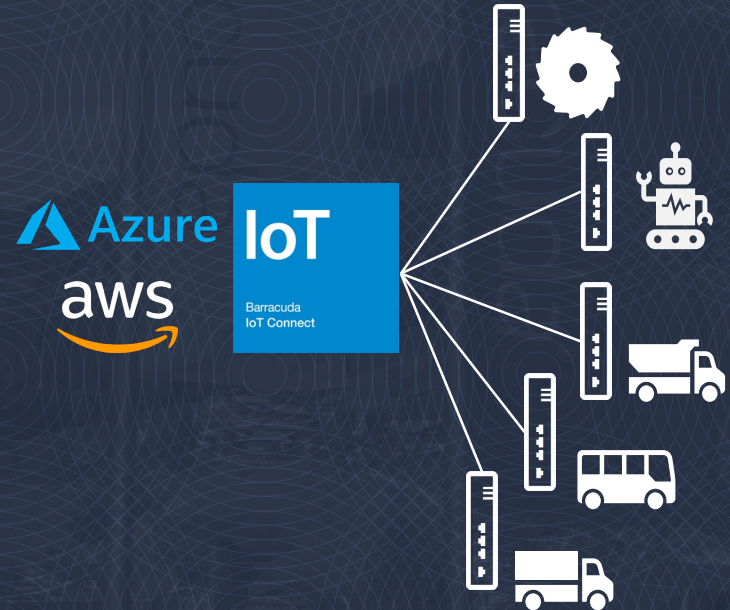
Easily connect things to the cloud, via Barracuda Secure Connector appliances.

Our Strategy:


- Cloud & IoT as key growth market

Our mission:


- Easy to buy: Cloud marketplaces
- Easy to deploy: A few minutes
- Easy to use: Simple Management UX



Easy to Buy



Categories ▾ Delivery Methods ▾ Solutions ▾ Migration Mapping Assistant Your Saved List Partners Sell in AWS Marketplace Amazon Web Services Home Help



Sold by: [Barracuda Networks](#)

Barracuda IoT Connect helps you easily connect Internet of Things (IoT) devices and micro-networks to your AWS environment via highly secure, ultra-small and ruggedized Barracuda

[Show more](#)

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Product Overview

Barracuda IoT Connect is a service that makes it easy for you to securely connect Internet of Things (IoT) devices and micro-networks to your AWS environment via highly secure, ultra-small and ruggedized Barracuda Secure Connector devices. A simple wizard makes it easy to automatically setup and configure your AWS environment with a Management Hub (Control Center) and a Connectivity Hub (Secure Access Controller) within a few minutes. Automatic Zero Touch Deployment then allows for the economic rollout of Barracuda Secure Connector appliances in remote locations. A single easy-to-use Web based UI provides simple, centralized management and configuration of all your Barracuda Secure Connectors, letting you scale your IoT network at will without management or security headaches.

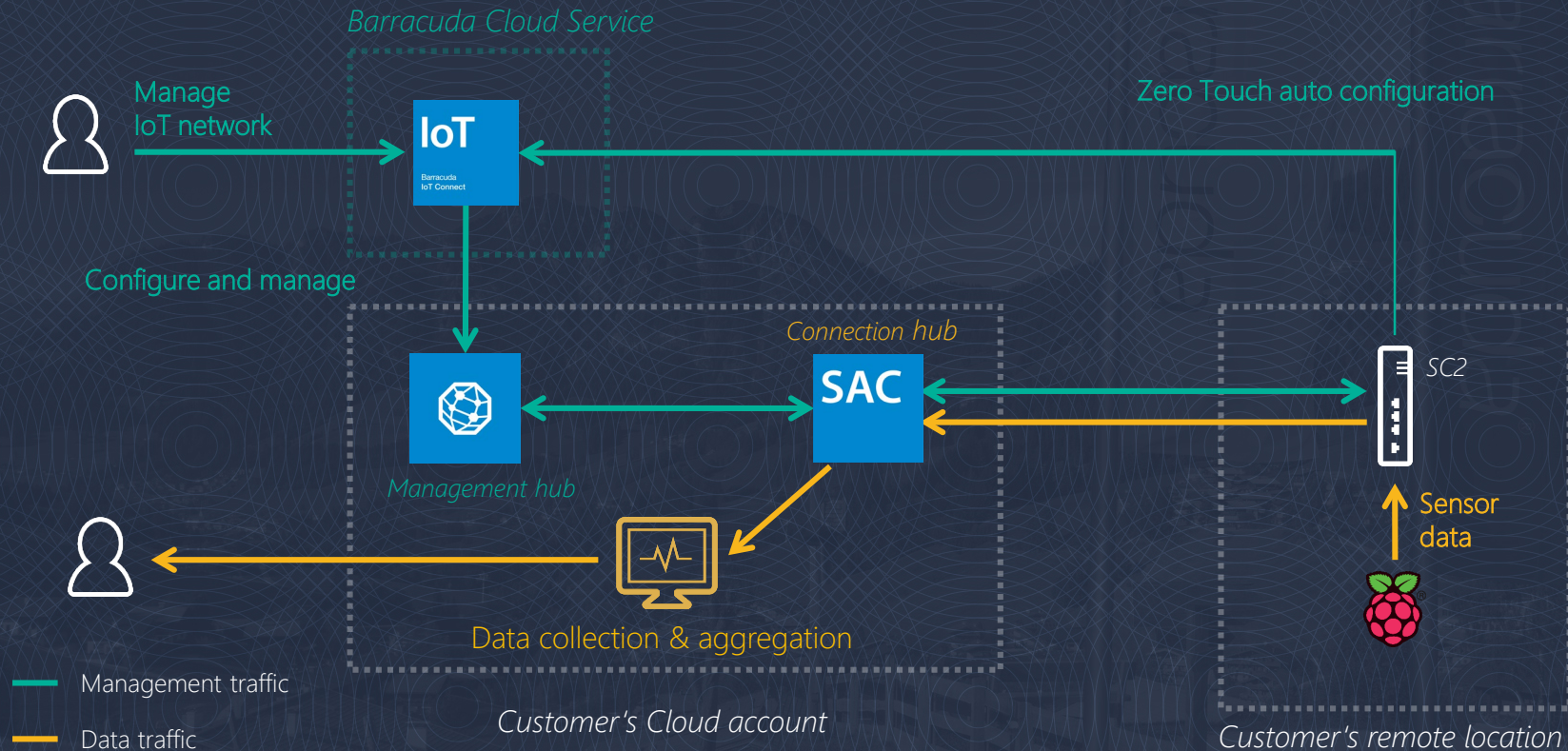
Sold by	Barracuda Networks
Fulfillment Method	Software as a Service (SaaS)

Highlights

- Very secure and fast connectivity for IoT: The Barracuda Secure Connectors establish an encrypted connection between IoT devices and the Connectivity Hub (Secure Access Controller) deployed in your AWS environment. This connection uses Barracuda's proprietary enhanced IPsec protocol 'TINA', which is more resilient and provides better performance than most competitive VPN solutions.
- Highest level of scalability to connect and protect thousands of devices: Barracuda IoT Connect easily scales to allow you to easily deploy and manage a large number of Barracuda Secure Connectors via simple template based configuration. The Connectivity Hub (Secure Access Controller) deployed in your AWS environment, acts as a VPN hub for thousands of IoT devices.



IoT Connect architecture



Demo – Easy to deploy

Getting Started Wizard



Barracuda IoT Connect

azure_temp_cuda@gmx.com

Cloud Infrastructure Set Up in progress (92%) - Current Stage: Waiting for activation to complete

DASHBOARDSCsTEMPLATESAUDIT LOGSETTINGS

Dashboard

Setup Status

Warning

Scheduled

Licensing Control Center

Licensing Access Controller

Deploying Subnets

Waiting for deploying Subnets

Deploying Control Center

Configuring Control Center

Waiting for deploying Control Center

Activating Control Center

Configuring Access Controller

Waiting for deploying Access Controller

Activating Access Controller

Waiting for activation to complete

Complete

Cloud Infrastructure Status

Setup Deployment Events

Recent Administrative Events

Recent Firewall Events

OK

OK

OK

Succeeded

Succeeded

Succeeded

Succeeded

Succeeded

Succeeded

Succeeded

Succeeded

Succeeded

Succeeded

2019-09-03 14:28

Barracuda-IoT-Connect-Access-Controller-nZvF-NGF (Microsoft.Compute/virtualMachines) 2019-09-03 14:28

Barracuda-IoT-Connect-Access-Controller-nZvF-NGF_nic0_xc5wbazkrmw6 (Microsoft.Network/networkInterfaces) 2019-09-03 14:27

Barracuda-IoT-Connect-Access-Controller-nZvF-pip (Microsoft.Network/publicIPAddresses) 2019-09-03 14:20

Barracuda-IoT-Connect-Control-Center-VM (Microsoft.Compute/virtualMachines) 2019-09-03 14:20

Barracuda-IoT-Connect-Control-Center-NIC (Microsoft.Network/networkInterfaces) 2019-09-03 14:18

Barracuda-IoT-Connect-Control-Center-PublicIP (Microsoft.Network/publicIPAddresses) 2019-09-03 14:17

2019-09-03 14:17



Cloud Infrastructure Set Up in progress (100%) - Current Stage: Complete



DASHBOARD



SCs



TEMPLATES



AUDIT LOG



SETTINGS

Dashboard

Cloud Infrastructure Status



Managed SC Status

Unknown

SC Configuration Status

Unknown

VPN Tunnel Status

OK



VPN Tunnel Locations



● Access Controller ● SCs

Recent Administrative Events

OK

Create Management Network
Access Controller

Updated License Information

Recent Firewall Events

OK

2019-09-03 14:32

2019-09-03 14:31

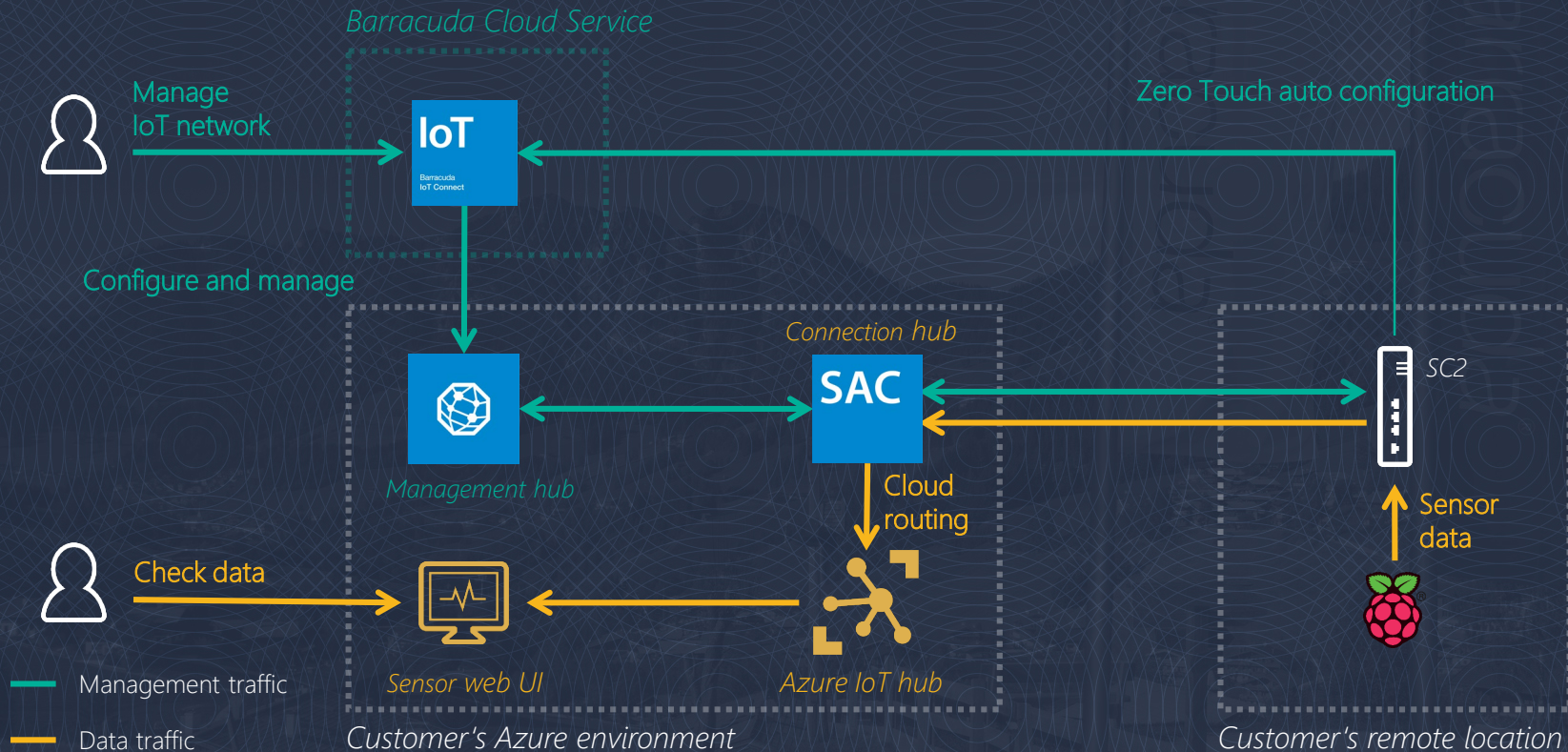


Demo – Easy to use

Using IoT Connect



IoT Connect – demo architecture

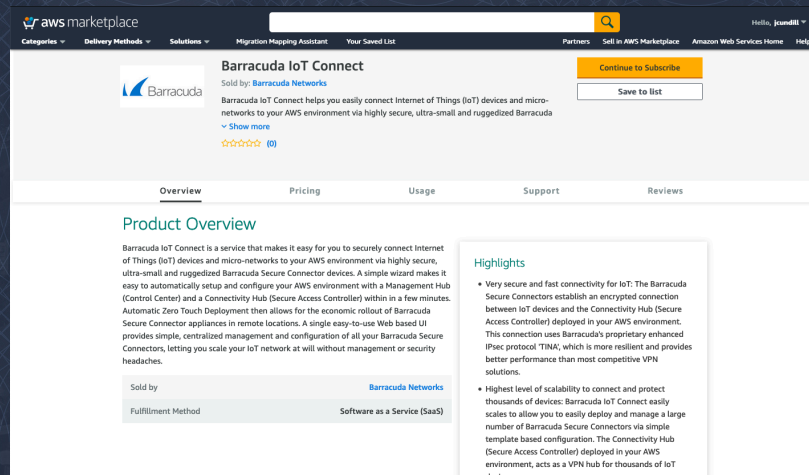


Licencing and Timelines



Super simple licencing

- Buy your Secure Connector appliances as usual
- \$X per managed SC per month via marketplace
 - Charged at hourly rate
 - No charge for CC or SAC
 - 5 managed SC minimum



Timelines

EA starting now!

- Invitation only: iot_connect@barracuda.com

GA coming soon

- Available for purchase via Azure & AWS marketplaces



Questions....

iot_connect@barracuda.com



Thank you

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