



CIS 2019

网络安全创新大会
Cyber Security Innovation Summit



Fortinet云安全自动化

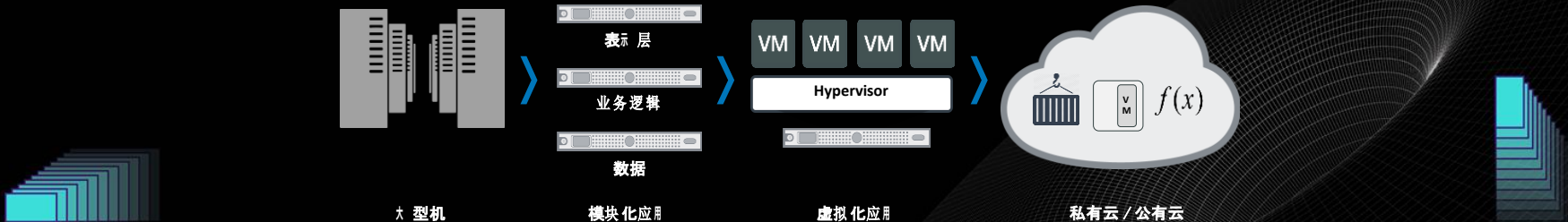
张略 中国区技术总监

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应用基础架构发展

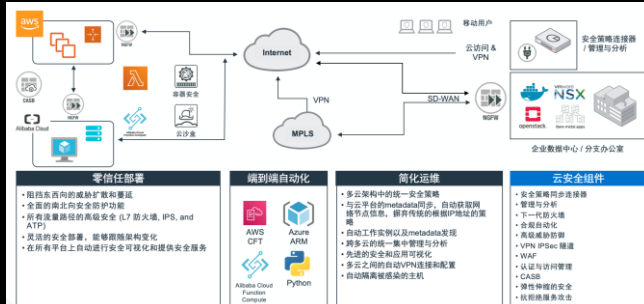




自动构建云基础架构和安全

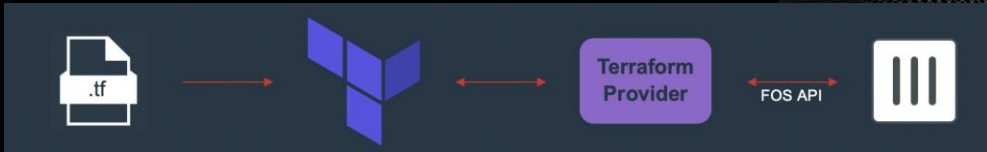


+ + + >_ 混合云安全基础架构



+ + + >_ Infrastructure-as-a-code

- Terraform用来创建、管理、更新基础架构资源；
- Provider是由各个厂商来维护，并让Terraform来理解如何配置各个厂商的产品；
- 利用Terraform在主流云平台自动化部署网络及安全架构，包括FortiGate





Terraform自动化部署



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```
terraform {
  required_providers {
    aws = ">= 5.0.0"
  }
}

provider "aws" {
  region = "us-east-1"
}

resource "aws_vpc" "vpc" {
  cidr_block = "10.0.0.0/16"
  enable_dns_hostnames = true
  enable_dns_support = true
  tags = {
    Name = "vpc"
  }
}
```

Initializing the backend...

Initializing provider plugins...

The following providers do not have any version constraints in configuration, so the latest version was installed.

To prevent automatic upgrades to new major versions that may contain breaking changes, it is recommended to add version constraints to the corresponding provider blocks in configuration, with the version strings suggested below.

provider:aws, version = ">= 5.0.0"

Terraform has been successfully initialized!

```
resource "aws_vpc" "vpc" {
  cidr_block = "10.0.0.0/16"
  enable_dns_hostnames = true
  enable_dns_support = true
  tags = {
    Name = "vpc"
  }
}
```

aws_vpc.vpc: Creating...

aws_vpc.vpc: Creation complete after 1s [id=...

```
resource "aws_vpc" "vpc" {
  cidr_block = "10.0.0.0/16"
  enable_dns_hostnames = true
  enable_dns_support = true
  tags = {
    Name = "vpc"
  }
}
```

aws_vpc.vpc: Creating...

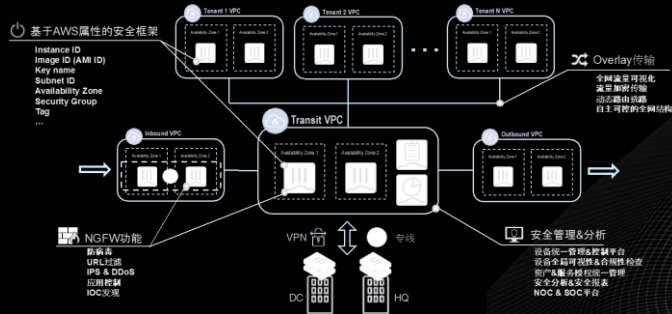
aws_vpc.vpc: Creation complete after 1s [id=...



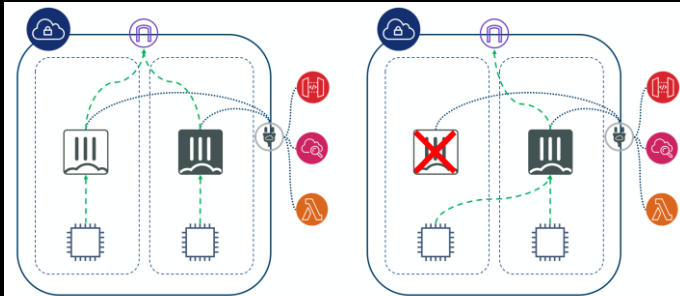
Terraform自动化部署



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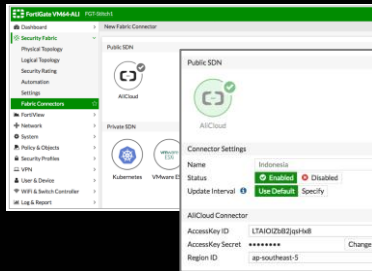
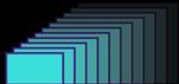


+ + + >_ HA自动切换

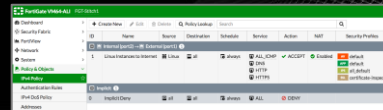
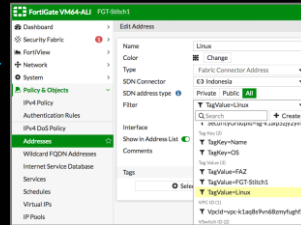




安全策略配置自动化



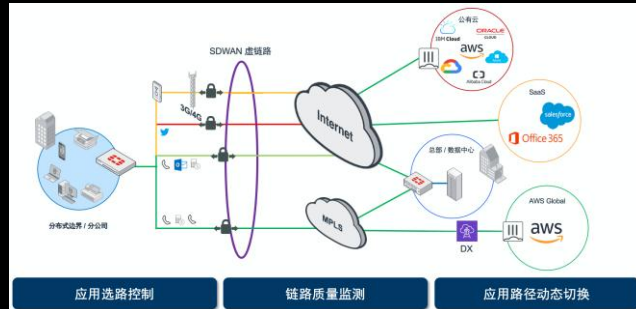
Fortinet云原生驱动器



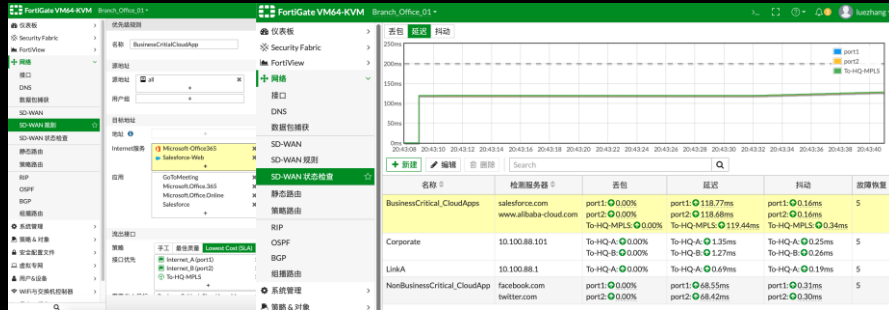
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+ + + >_ 自动连接、选路



+ + + >_ 自动连接、选路



正常访问 or 攻击

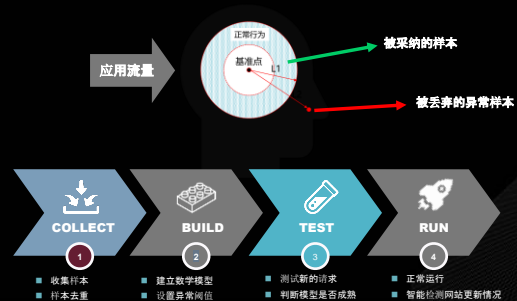


黑名单

白名单

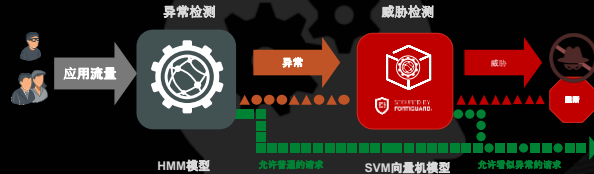


安全策略优化-AI的使用





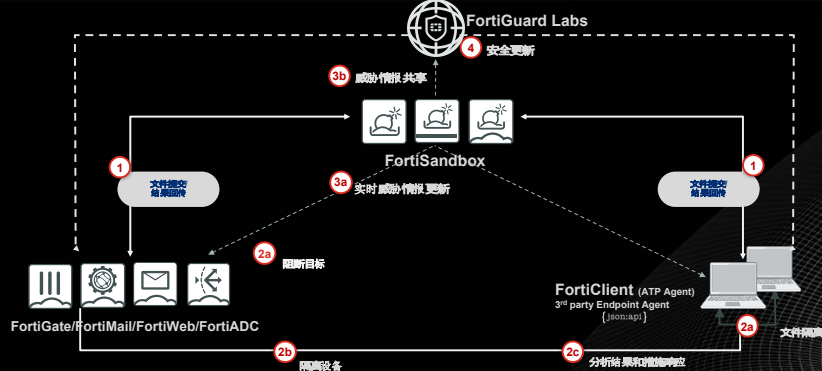
安全策略优化-AI的使用

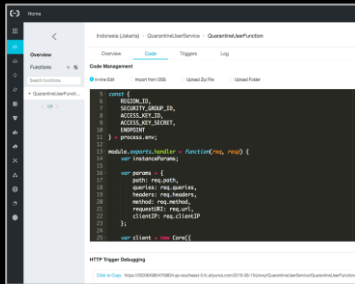


精准识别，拦截未知攻击！



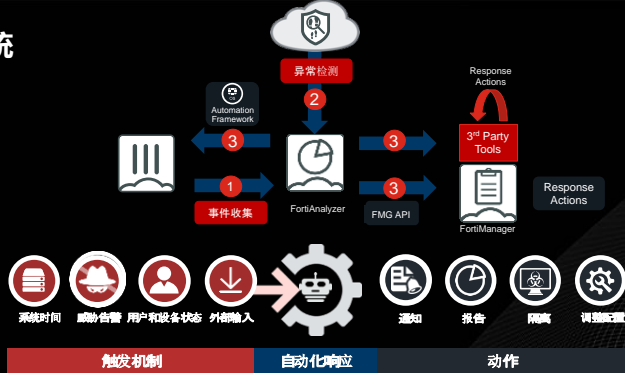
安全组件自动联动





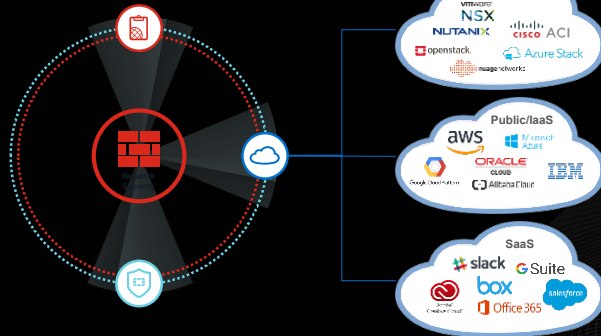


安全事件自动联动-安全系统





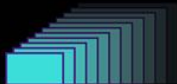
Fortinet云安全全景图



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Fortinet 云安全战略的三大支柱





Fortinet支持中国国内的主流公有云平台

		BYOL	PAYG	BYOL	PAYG	BYOL	PAYG	BYOL	PAYG	
	FortiGate									下一代防火墙
	FortiWeb									WAF
	FortiSandbox									沙盒
	FortiManager									集中管理
	FortiAnalyzer									日志与报表
	FortiSIEM									SIEM 与 SoC



