Pulse Secure®
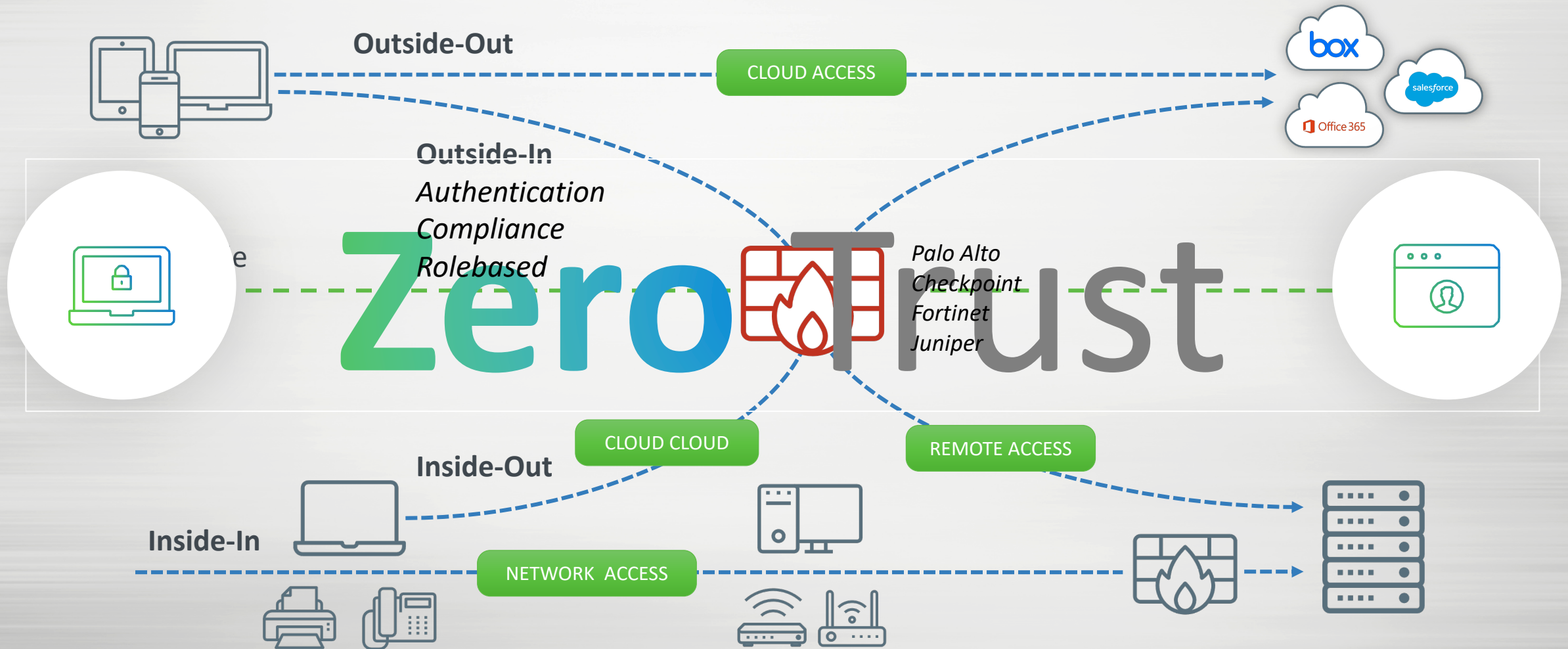
The impact of the COVID-19 on remote access

Bartosz Chmielewski

System Engineer, CEEU Region

Secure Access in Customer Networks

Outside-Out

CLOUD ACCESS

Outside-In

Authentication
Compliance
Rolebased

Zero Trust

Palo Alto
Checkpoint
Fortinet
Juniper

CLOUD CLOUD

REMOTE ACCESS

Inside-Out

Inside-In

NETWORK ACCESS

Pulse Secure®

Long term plans to be executed in days

The impact of COVID-19

- 90% employees sent home in a day or two. (20/80 split before COVID).

- VPN implementations license/performance issues on day 1.

- Lack of end-user skills to change their working habits with remote access.

- Lack of hardware. Some users had PCs and now they need to use their private equipment -> Rapid BYOD implementation.

- Security issues related to BYOD and for corporate computers as they are not internal any more for extended period.

- Secondary impact – accelerated public cloud implementation to decrease perimeter impact.
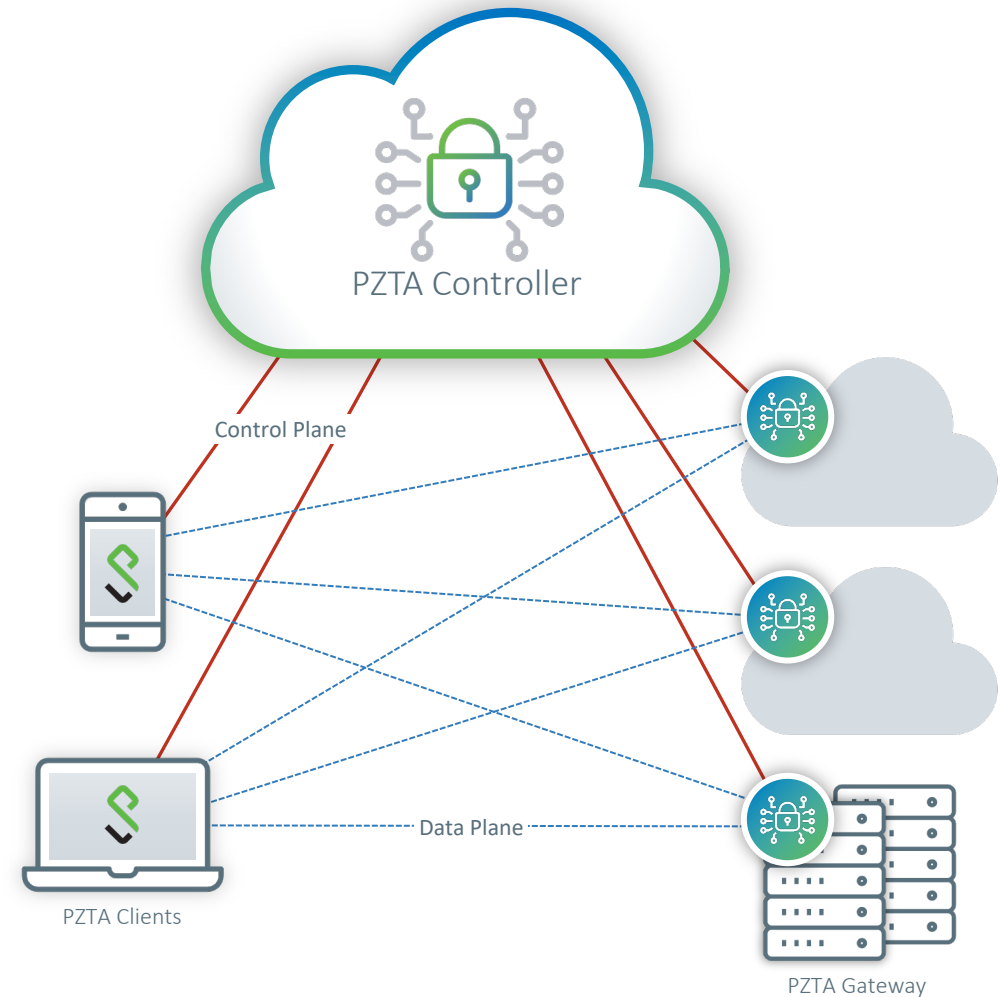
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Lesson learned

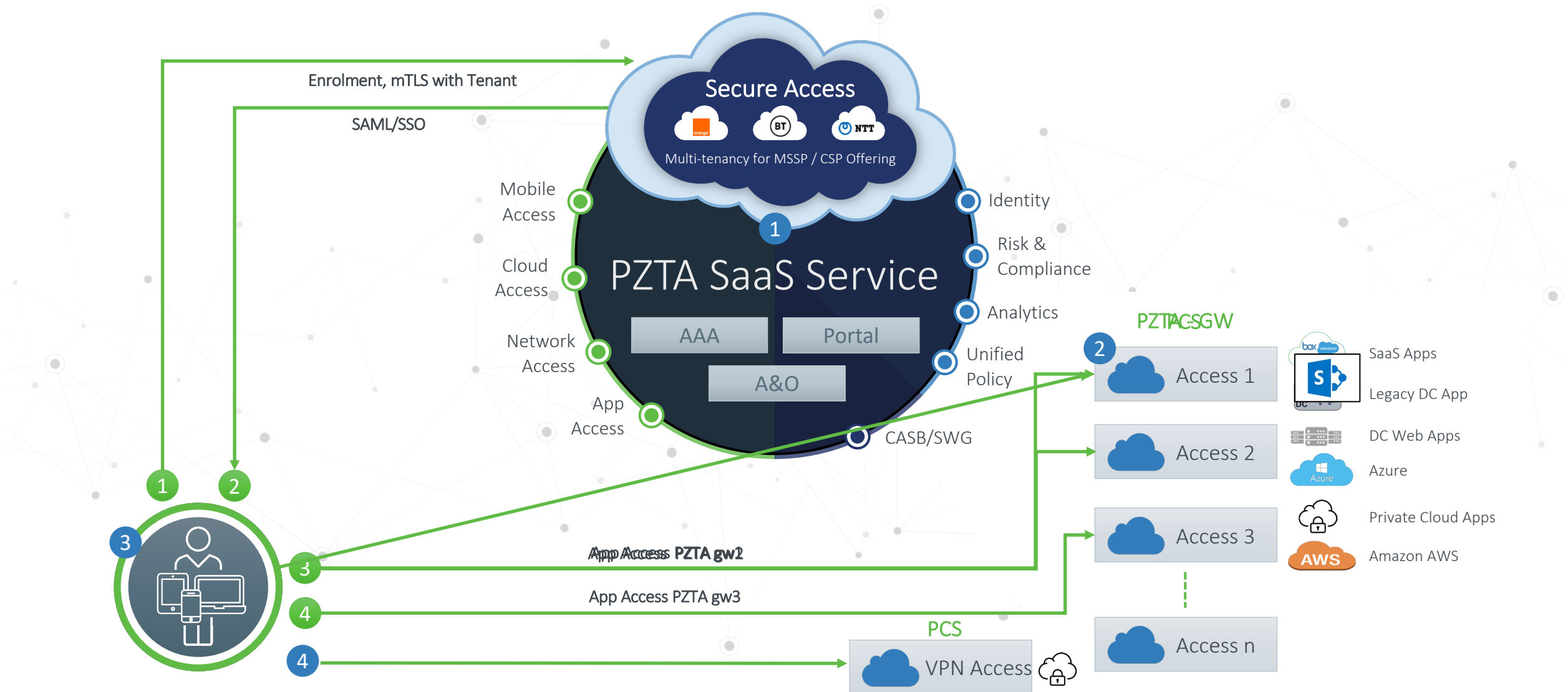Recommendation for the customers from Pulse Secure

- Build a contingency plans / DR plans to be prepared for similar events.

- Overscale the remote access infrastructure (license/ICE/performance).

- Promote remote working as an alternative on-prem workspace.

- Support BYOD (including onboarding, compliance checking).

- Consider redefining Your perimeter with cloud adoption and SASE model.

Pulse Secure®

Cloud Security Alliance adherence

- Zero Trust SDP architecture
  - Includes Client, Controller, and Gateway
- All user data stays privately outside of Pulse Secure's network

PZTA Controller

Control Plane

Data Plane

PZTA Clients

PZTA Gateway

Pulse Secure®

PULSE ZERO TRUST Access Platform

Secure Access

Multi-tenancy for MSSP / CSP Offering

Enrolment, mTLS with Tenant

SAML/SSO

Mobile Access

Cloud Access

Network Access

App Access

PZTA SaaS Service

AAA   Portal

A&O

Identity

Risk & Compliance

Analytics

Unified Policy

CASB/SWG

PZTA CSGW

Access 1

Access 2

Access 3

Access n

PCS

VPN Access

SaaS Apps

Legacy DC App

DC Web Apps

Azure

Private Cloud Apps

Amazon AWS

App Access PZTA gw2

App Access PZTA gw3

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