

### Investor Presentation

October 2024



#### Safe Harbor

This presentation includes "forward-looking statements" within the meaning of the Private Securities Litigation Reform Act of 1995. Any statements made herein that are not statements of historical fact, including statements about Radware's plans, outlook, beliefs, or opinions, are forward-looking statements. Generally, forward-looking statements may be identified by words such as "believes," "expects," "anticipates," "intends," "estimates," "plans," and similar expressions or future or conditional verbs such as "will," "should," "would," "may," and "could." Because such statements deal with future events, they are subject to various risks and uncertainties, and actual results, expressed or implied by such forward-looking statements, could differ materially from Radware's current forecasts and estimates. Factors that could cause or contribute to such differences include, but are not limited to: the impact of global economic conditions, including as a result of the state of war declared in Israel in October 2023 and instability in the Middle East, the war in Ukraine, and the tensions between China and Taiwan; our dependence on independent distributors to sell our products; our ability to manage our anticipated growth effectively; a shortage of components or manufacturing capacity could cause a delay in our ability to fulfill orders or increase our manufacturing costs; our business may be affected by sanctions, export controls, and similar measures, targeting Russia and other countries and territories, as well as other responses to Russia's military conflict in Ukraine, including indefinite suspension of operations in Russia and dealings with Russian entities by many multi-national businesses across a variety of industries; the ability of vendors to provide our hardware platforms and components for the manufacture of our products; our ability to attract, train, and retain highly qualified personnel; intense competition in the market for cyber security and application delivery solutions and in our industry in general, and changes in the competitive landscape; our ability to develop new solutions and enhance existing solutions; the impact to our reputation and business in the event of real or perceived shortcomings, defects, or vulnerabilities in our solutions, if our end-users experience security breaches, if our information technology systems and data, or those of our service providers and other contractors, are compromised by cyber-attackers or other malicious actors, or by a critical system failure; outages, interruptions, or delays in hosting services; the risks associated with our global operations, such as difficulties and costs of staffing and managing foreign operations, compliance costs arising from host country laws or regulations, partial or total expropriation, export duties and quotas, local tax exposure, economic or political instability, including as a result of insurrection, war, natural disasters, and major environmental, climate, or public health concerns, such as the COVID-19 pandemic; our net losses in the past two years and possibility we may incur losses in the future; a slowdown in the growth of the cyber security and application delivery solutions market or in the development of the market for our cloud-based solutions; long sales cycles for our solutions; risks and uncertainties relating to acquisitions or other investments; risks associated with doing business in countries with a history of corruption or with foreign governments; changes in foreign currency exchange rates; risks associated with undetected defects or errors in our products; our ability to protect our proprietary technology; intellectual property infringement claims made by third parties; laws, regulations, and industry standards affecting our business; compliance with open source and thirdparty licenses; and other factors and risks over which we may have little or no control. This list is intended to identify only certain of the principal factors that could cause actual results to differ. For a more detailed description of the risks and uncertainties affecting Radware, refer to Radware's Annual Report on Form 20-F, filed with the Securities and Exchange Commission (SEC), and the other risk factors discussed from time to time by Radware in reports filed with, or furnished to, the SEC. Forward-looking statements speak only as of the date on which they are made and, except as required by applicable law, Radware undertakes no commitment to revise or update any forward-looking statement in order to reflect events or circumstances after the date any such statement is made. Radware's public filings are available from the SEC's website at www.sec.gov or may be obtained on Radware's website at www.radware.com.



#### This is Radware

#### Radware's Core Business

# Application Delivery and Performance

- → Alteon w/GEL
- ∠ Load Balance as-a-Service
- → DNS as-a-service
- → CDN
- Cloud Network Analytics

## Infrastructure and DDoS Protection

- ∠ DefensePro X
- → Web DDoS Protection
- → DNS DDoS Protection
- → Firewall as-a-service

## Application and API Protection

- → Alteon Integrated WAF

#### The Hawks' Business

#### SkyHawk

Protection of application hosted in the public cloud

- ✓ CSPM
- ✓ CIEM
- Threat Detection
- Cross Cloud Visibility

#### EdgeHawk

Protection of carrier's Edge

#### Challenges to Maintaining Application Security

Key Drivers for CISOs in 2024

1

Shifting Threat Landscape

Leveraging new tools & GenAI to attack applications

2

New Regulatory Requirements

New, stricter regulations on cyber-security incidents

3

Hybrid Cloud Deployments Expand

Hybrid-cloud reality creates many entry points

4

Cybersecurity
Staff & Skills
Shortages

Organizations cannot rely on their internal resources only

#### Challenges to Maintaining Application Security

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#### Shifting Threat Landscape

1



Average growth in DDoS attack volume (2024 vs. 2023)

+127%



61%

Increase in bad bot transactions (H1 2024 vs. H2 2023)



+265%

Increase in mitigation Web DDoS attacks (H1 2024 vs. H2 2023)

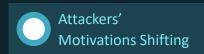


Attacks increase in frequency, size & complexity across all attack vectors

Source: Radware Threat Landscape Report 2024

#### What is Fueling the Shifting Threat Landscape?





#### Shifting Attack Motivations of Hacktivist Groups

#### Politically Motivated



NoName057, Killnet cluster, Anonymous Russia, Passion Group, etc.

KILLNET

#### Religiously Motivated







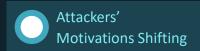
Anonymous Sudan, Mysterious Team Bangladesh, DragonForce Malaysia, etc.

#### Financially Motivated



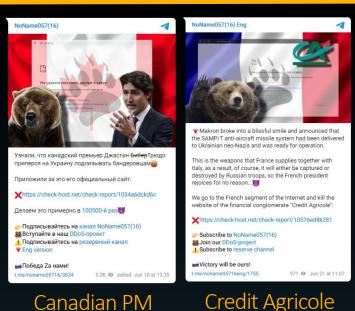


SKYNET/GODZILLA, InfraShutdown, Stressers, ATO & Crypto-stealing services, etc.



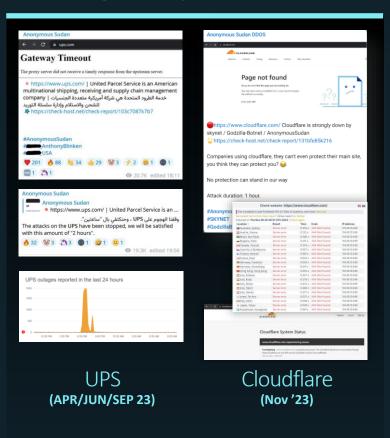
#### Shifting Attack Motivations of Hacktivist Groups

#### Politically Motivated

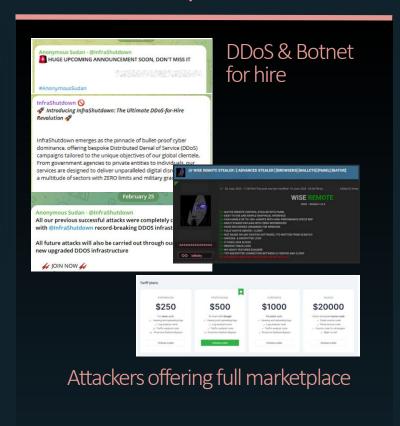


Canadian PM (JUN 23)

#### Religiously Motivated



#### Financially Motivated



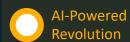


#### All-in-One Modern Attack Tools on Github



- Attackers don't distinguish between WAF, DDoS, Bot attack vectors
- Need an integrated platform to overcome all-in-one attack tools

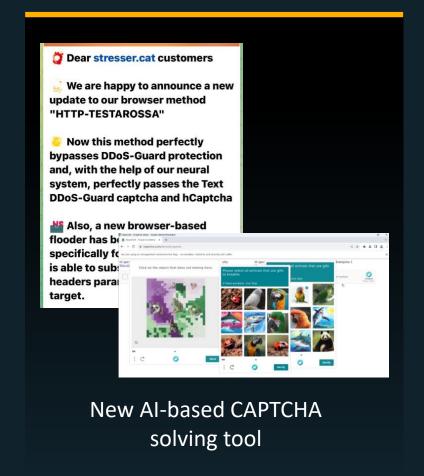




#### Attackers Use AI to Create Autonomous Attacks



GenAl tools used by attackers



Vulnerability	GPT-4 success rate
LFI	60%
CSRF	100%
XSS	80%
SQL Injection	100%
Brute Force	80%
SQL Union	80%
SSTI	40%
Webhook XSS	20%
File upload	40%

Research shows how LLM
Agents can autonomously
exploit one-day vulnerabilities\*

\* [2404.08144] LLM Agents can Autonomously Exploit One-day

<u>Vulnerabilities (arxiv.org)</u>



Fight Al with Al: Need Al-Powered Intelligent Security

#### Challenges to Maintaining Application Security

Key Drivers for CISOs in 2024

Shifting
Threat
Landscape

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New, stricter regulations on cyber-security incidents

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Hybrid Cloud Deployments Expand 4

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#### New Regulatory Requirements



"Registrants must disclose any cybersecurity incident they experience that is determined to be material [...] within 4 business days"



#### **New & updated requirements:**

- WAF requirements
- Positive security
- API protection
- Client-side security



EU-wide legal framework for mandating cybersecurity protection measures



Need an integrated platform to ensure full compliance

#### Challenges to Maintaining Application Security

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#### Hybrid Cloud Deployments Expand

Most Organizations Today Run Hybrid Multi Cloud Environments



Of organizations run three or more environments



73%

Still maintain their on-prem hardware data centers



46%

Use on-prem, private cloud and public cloud all at once



Need consistent protections across diverse environments

#### Challenges to Maintaining Application Security

Key Drivers for CISOs in 2024

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Organizations cannot rely on their internal resources only

#### Organizations Face Cybersecurity Staff, Skill Shortages

4



67%

Face shortages in security staff or skills



3.99M

Estimated open global cybersecurity roles



41%

Can't find enough qualified talent



Need for automated protections and expert managed services

#### What is Needed to Stay Ahead?











Intelligent
Security
powered by
Al-based
algorithms

Integrated
Platform
correlating
across wide
array of
threats

Protections
across all
environments
and entry
points

Consistent

Expert Defense with 24/7 security experts by your side



Only way to drive lower MTTR, save costs & protect your brand

#### What is Needed to Stay Ahead?













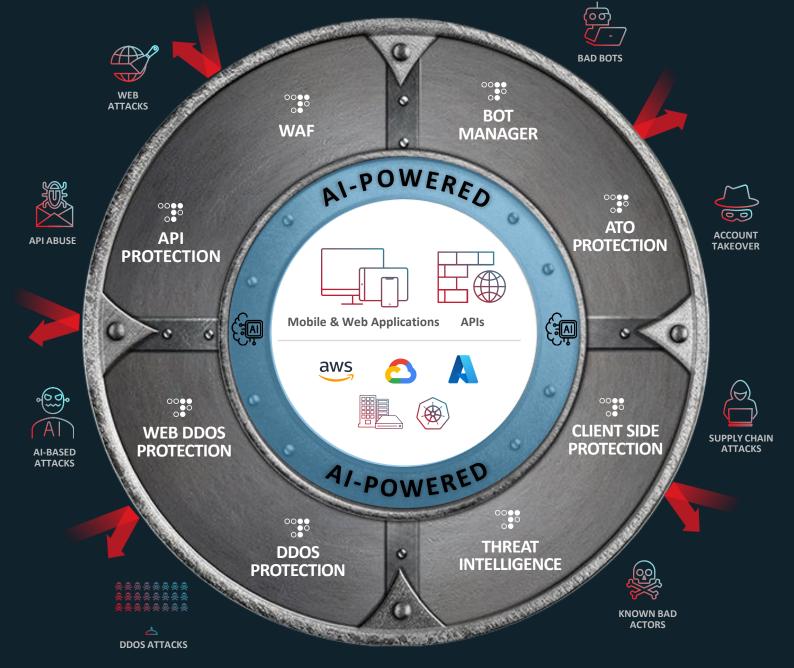
#### Radware 360 Cloud Application Protection



Gartner.
Peer Insights...

Truly exceptional protection for web apps & APIs

Radware Customer, Telecommunications



# Introducing Radware EPIC-AI End-to-end Powerful Integrated Cybersecurity Al Platform Al-powered intelligence and GenAl algorithms infused across Radware's cloud security platform **°°**:• radware

#### 360 Protection with Radware **EPIC-AI<sup>™</sup>**



#### Al-Driven SOC

- → Al-empowered managed services
- → SecOps enablement
- → Compliance, analytics & integrations



**Cross-Platform Al Reasoning** 

- → Threat intelligence insights & preemptive protection feeds
- Cross-module AI-based correlation
- Continuous AI-powered policy tuning & recommendations



RT Cloud Protection Engines



WEB DDOS PROTECTION

WAF

API PROTECTION BOT MANAGER ATO PROTECTION

CLIENT SIDE PROTECTION



**Enforcement Points** 



















#### Real World Al-Powered Protection Where It Matters Most



Accelerate SOC operations & reduce MTTR

AI-led human-empowered SOC to quickly identify root cause & resolve incidents



Radware is the only vendor in this analysis to earn a top score on the AI enhanced vulnerability detection criterion

**GIGAOM** 



Block malicious sources across the platform

Preemptive protection with Al-driven 'Source Blocking' algorithms



Gartner clients value the automated learning approach that Radware takes

**Gartner** 



Surgically block Web DDoS Tsunami Attacks

Al-powered Web DDoS protection with real-time signature creation



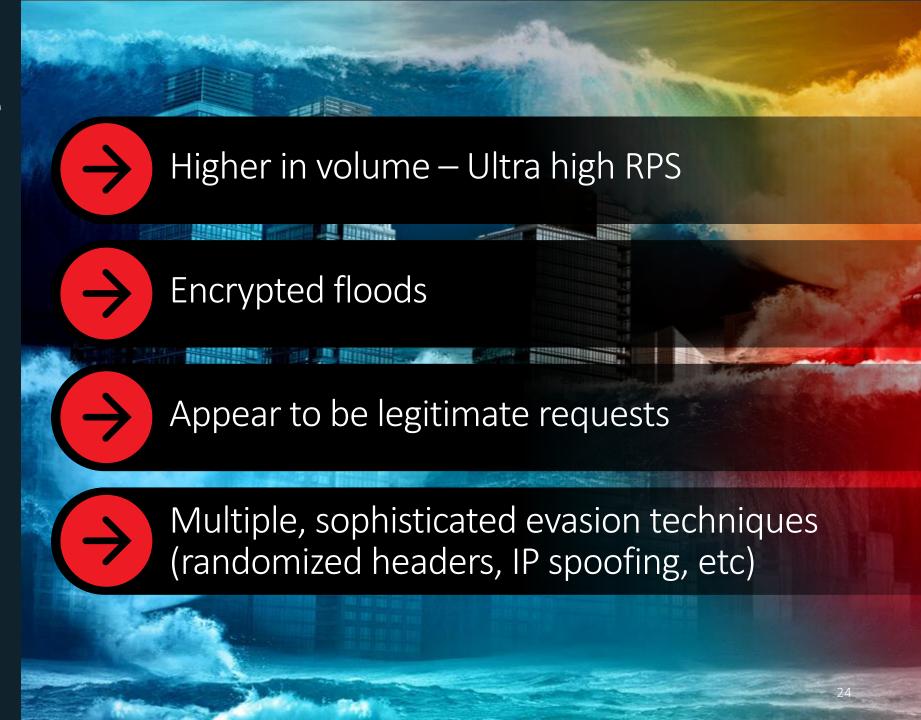
According to customer feedback, Radware is ridiculously always accurate



# New Disruptive Web DDoS Tsunami Attacks

Signature-based & ratelimiting techniques are ineffective!

Requires **AI-powered** approach for **accurate** detection & mitigation

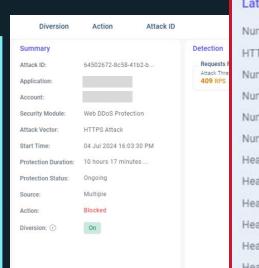


# Radware Protects EMEA Bank from Web DDoS Tsunami Attacks

Layer 7 application DDoS protection is **where it shines**. Mean time to **remediation** is within **seconds**.

Radware Customer, Tech Services





Latest Real Time Signature

Number of Path Elements = 1 AND

HTTP Method = GET AND

Number of Query Arguments = 0 AND

Number of Cookies = 0, 1 AND

Number of Standard Headers = 4, 5, 6 AND

Number of Non-Standard Headers = 0 AND

Header 'accept\*' exist AND

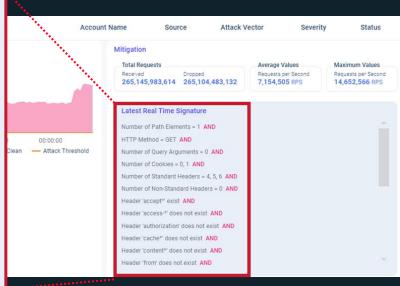
Header 'access-\*' does not exist AND

Header 'authorization' does not exist AND

Header 'content\*' does not exist AND

Header 'content\*' does not exist AND

Header 'from' does not exist AND



#### **Attack Peaks**

Up to

14.6M

#### **Attack Length**

Several days w/ multiple waves lasting

10-20

#### **Attack Signature**

Signature created in real-time includes

27

**PARAMETERS** 



Fight AI with AI: AI-based algorithms create signatures in real-time

#### The Radware Difference Powered by EPIC-AI



Al-Driven SOC



**EXPERT DEFENSE**Al-enabled SOC & managed services



**Cross-Platform Al Reasoning** 



**INTEGRATED PLATFORM**Al-based correlation & data-driven feeds



RT Cloud Protection Engines



INTELLIGENT SECURITY
Al-powered Web DDoS, DNS, Bot & API protection

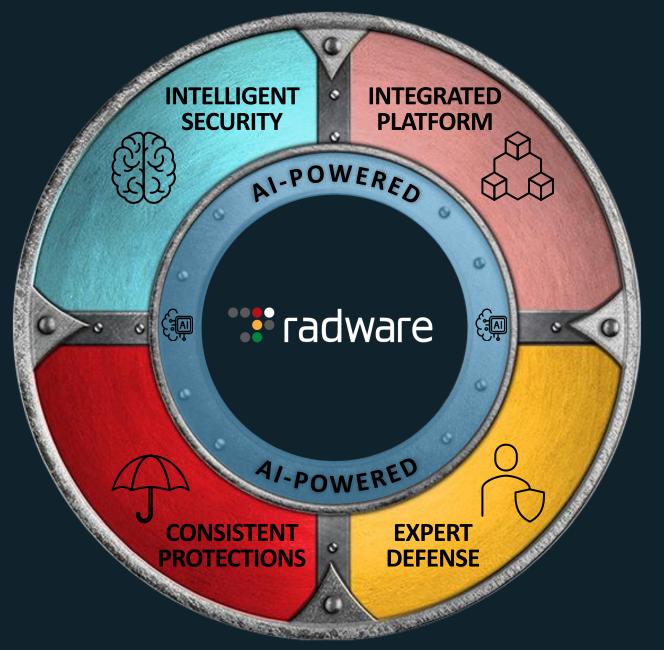


**Enforcement Points** 



**CONSISTENT PROTECTIONS**Across Radware & 3<sup>rd</sup> party services

Give Your Apps the Most Precise,
Hands-Free,
Real-Time
Protection



#### Global Cloud Services Network

Dual local PoP for reduced latency and regulations compliance



#### Large Enterprise and Service Providers Customers



6 OF 10

WORLD'S BANKS



8 OF 10

WORLD'S TELECOM COMPANIES



5 OF 10

WORLD'S STOCK EXCHANGES



2 OF 5

WORLD'S ECOMMERCE COMPANIES



2 OF 5

MOST WIDELY USED SAAS APPLICATIONS

#### **Industry Analysts Recognition**

#### SPARK Matrix<sup>TM</sup>:Bot Mgmt. 2024 THE LEADER

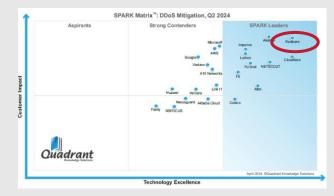


Technology Excellence

#### SPARK Matrix<sup>™</sup>:WAF 2024 *THE LEADER*



#### SPARK Matrix<sup>™</sup>:DDoS 2024 *THE LEADER*





IDC
MarketScape:
WAAP 2024
MAJOR PLAYER

0



#### **GIGAOM**

GIGAOM RADAR :Apps & API Security 2024 THE LEADER



#### ESG: Establishing a Clean, Ethical and Human Future



#### Radware Ltd.

Industry Group: Software & Services

Country/Region: Israel

Identifier: NAS:RDWR

Radware Ltd provides cyber security and application delivery solutions. The company provides solutions for cloud, onpremises, and software-defined data centers (SDDC). The solutions of the company secure the digital experience by providing infrastructure, application, and network protection and availability services to enterprises globally. The...

+ Show More

Full time employees: 1,218

**ESG Risk Rating** 

CORE ?

12.9

Low Risk

#### Ranking

Industry Group (1st = lowest risk)

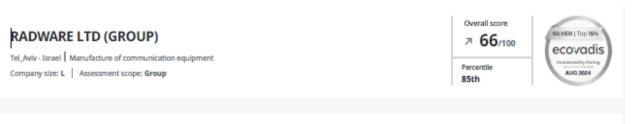
Software & Services

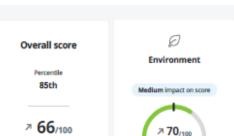
**28** out of 1094

1108 out of 16007









Scorecard





Publication date: 8 Aug 2024 (Revised:8 Oct 2024) Valid until: 8 Aug 2025

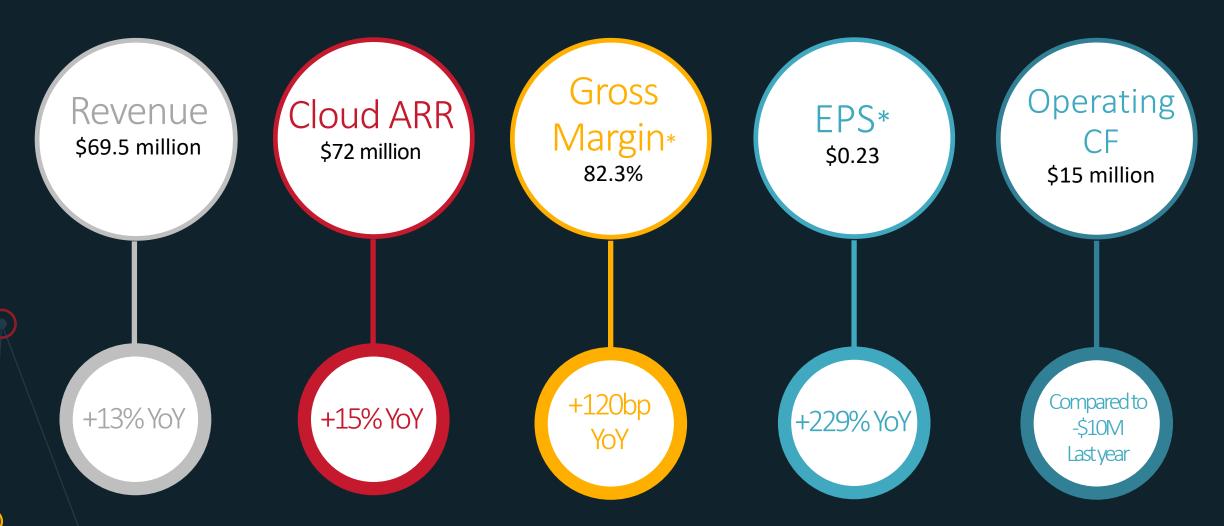




# Financial Overview

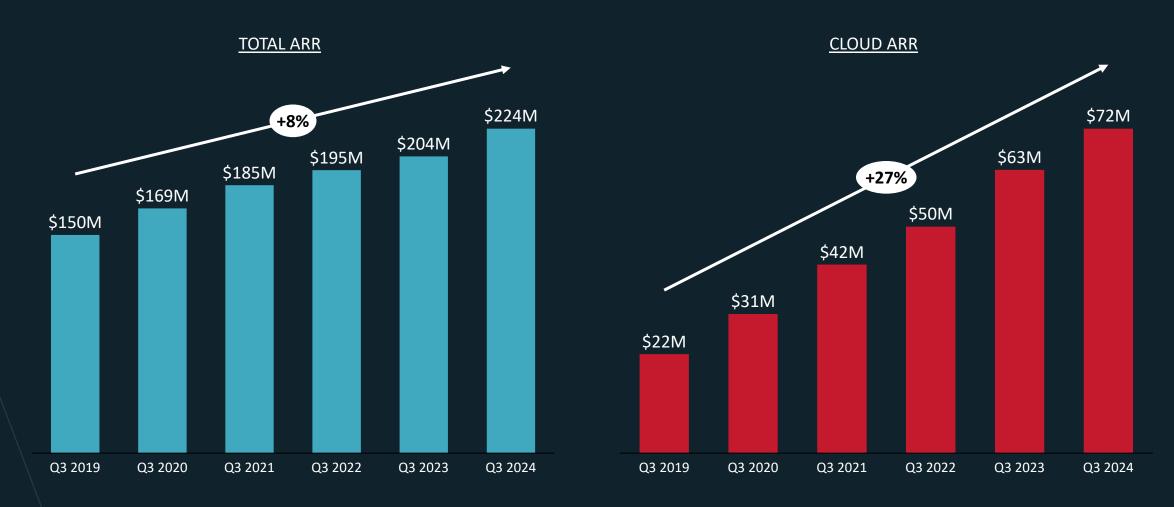


#### Q3 2024 Highlights



<sup>\*</sup> Gross margin and EPS are non-GAAP

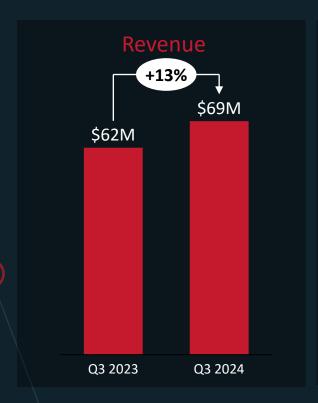
#### Total ARR Driven by Cloud ARR

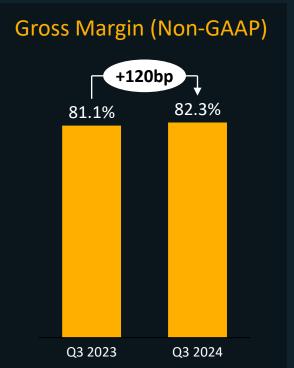


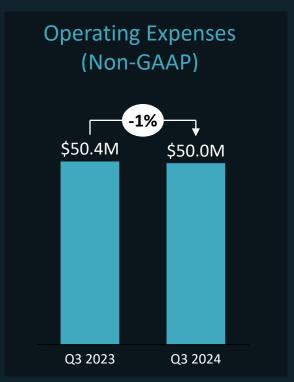
<sup>\*</sup> Total ARR includes the annualized value of booked orders for services, subscription licenses and maintenance contracts that are in effect at the end of a reporting period

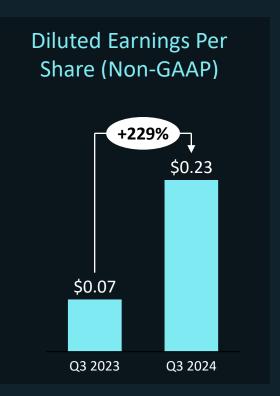
<sup>\*</sup> Numbers are rounded

#### Q3 2024 Financial Data



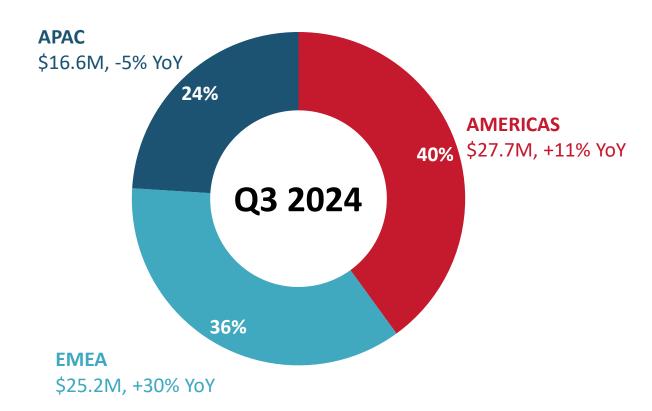






#### Revenue Geography Breakdown (\$M)





#### Cash Generation

