

Application Control Within Checkpoint Technology

Critically analyze its benefits and challenges



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**Importance
and
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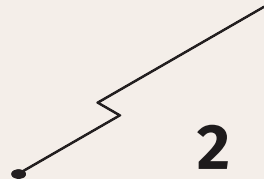
Risk Migation

3

**Benefits and
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4

**Innovative
Solutions and
Use cases**



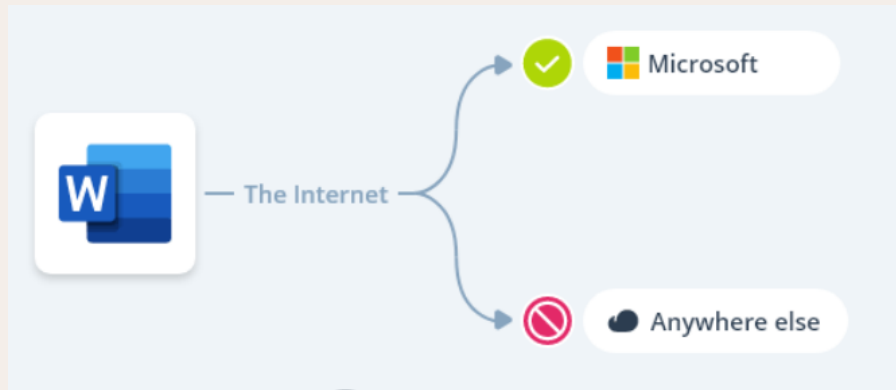


1 Importance of Application Control

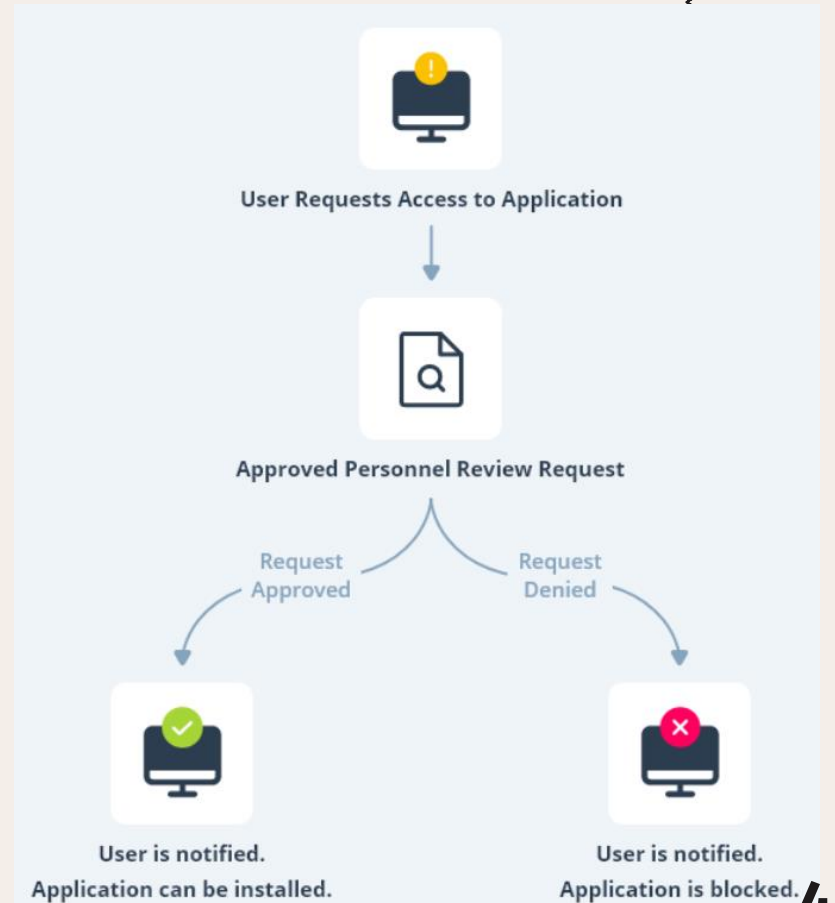


In existing Enterprise Network and advantages of Checkpoint Technology

- **Resource Management**
- **Data Protection**
- **Compliance**



- **Security**



Checkpoint Technology: Easily manage rules

- Monitor traffic and bandwidth
- Log
- Target groups

Name	Source	Destination	VPN	Services & Applications	Content	Time	Action	T
11)								
	* Any	Internet	* Any	Social Networking Social Plugins	* Any	* Any	Drop Blocked Messa...	
Access to SaaS Applications	Internal Users ISE_Marketing_users	Dropbox Services Azure Services Zoom Services	* Any	* Any	* Any	* Any	Accept	
Internal Users Outbound	Internal Users Mobile Devices	* Any	* Any	* Any	* Any	* Any	Users Access to Inter	
General Browsing	* Any	Internet	* Any	High Risk Gambling	* Any	* Any	Drop Blocked Messa...	
High Bandwidth	* Any	Internet	* Any	YouTube Spotify Vimeo	* Any	* Any	Accept Upload_1Gbps	
Content Uploading Restrictions	* Any	Internet	* Any	SharePoint Dropbox	Upload Traffic HIPAA - Medical Record Number - MRN Large File PCI - Credit Card Numbers CSV File	* Any	Drop Blocked Messa...	

Checkpoint Technology: Educate the user



Page Blocked

Access to  Facebook is blocked according to the ABC organization security policy.

Category: Social Networking

Click [here](#) to report wrong category

For more information, please contact your helpdesk.

Reference: 171E628C



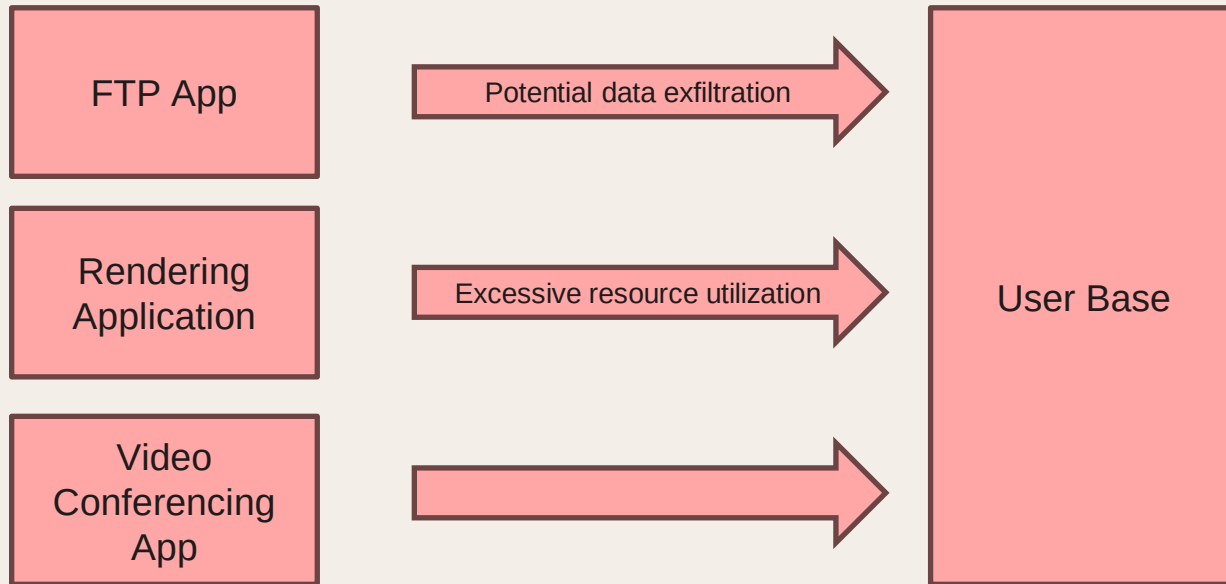
2 Risk Migration and Security Compliance



In existing Enterprise Network

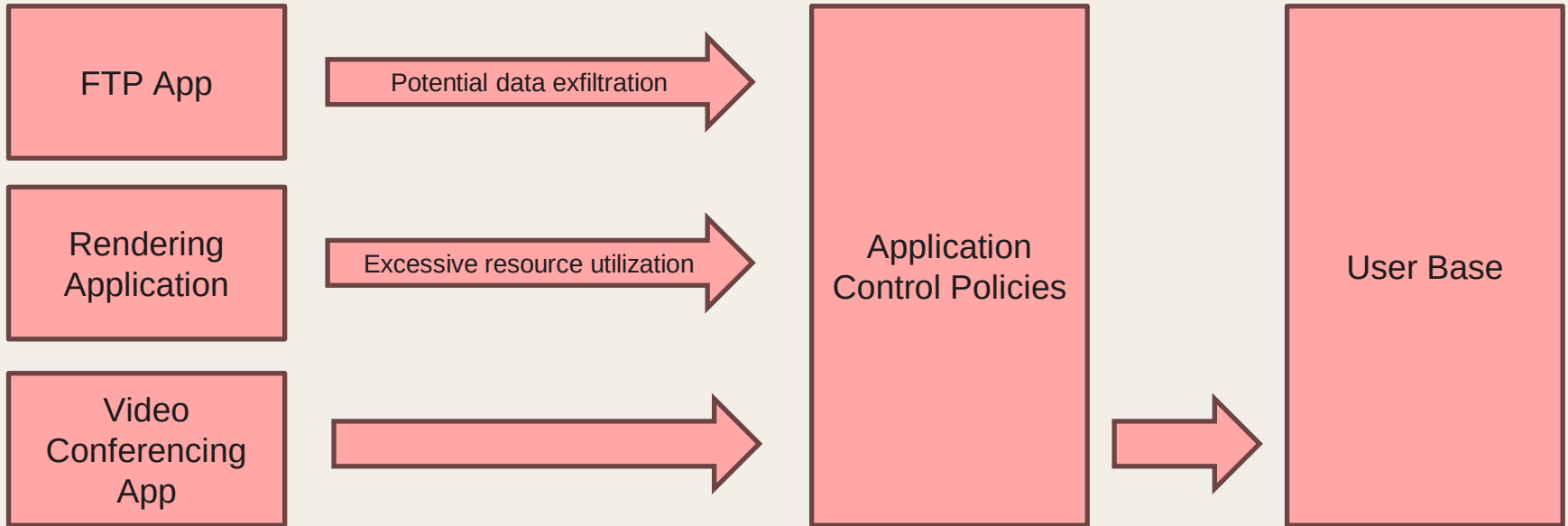
How application control contributes to risk mitigation ?

- It prevents applications depending on the type to overuse or access resources



How application control contributes to risk mitigation ?

- It prevents applications depending on the type to overuse or access resources



How does application control support compliance by blocking non-conforming apps?



01

Identification of
Compliance Requirements

02

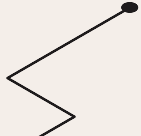
Creating Application
control policies

03

Documentation and
Reporting

04

Regular Audits and
Updates





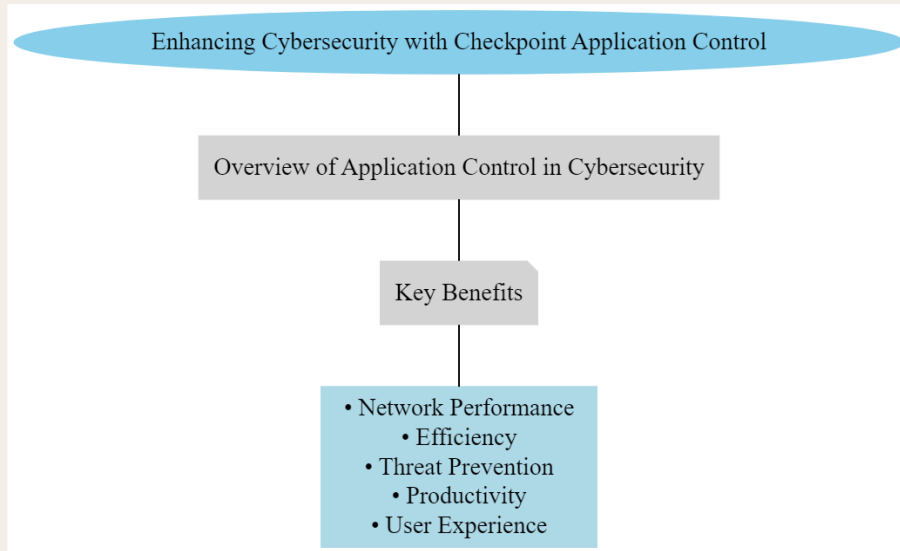
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Benefits and Challenges

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3. Benefits and Challenges

1. Enhancing Cybersecurity with Checkpoint Application Control



Key Points:

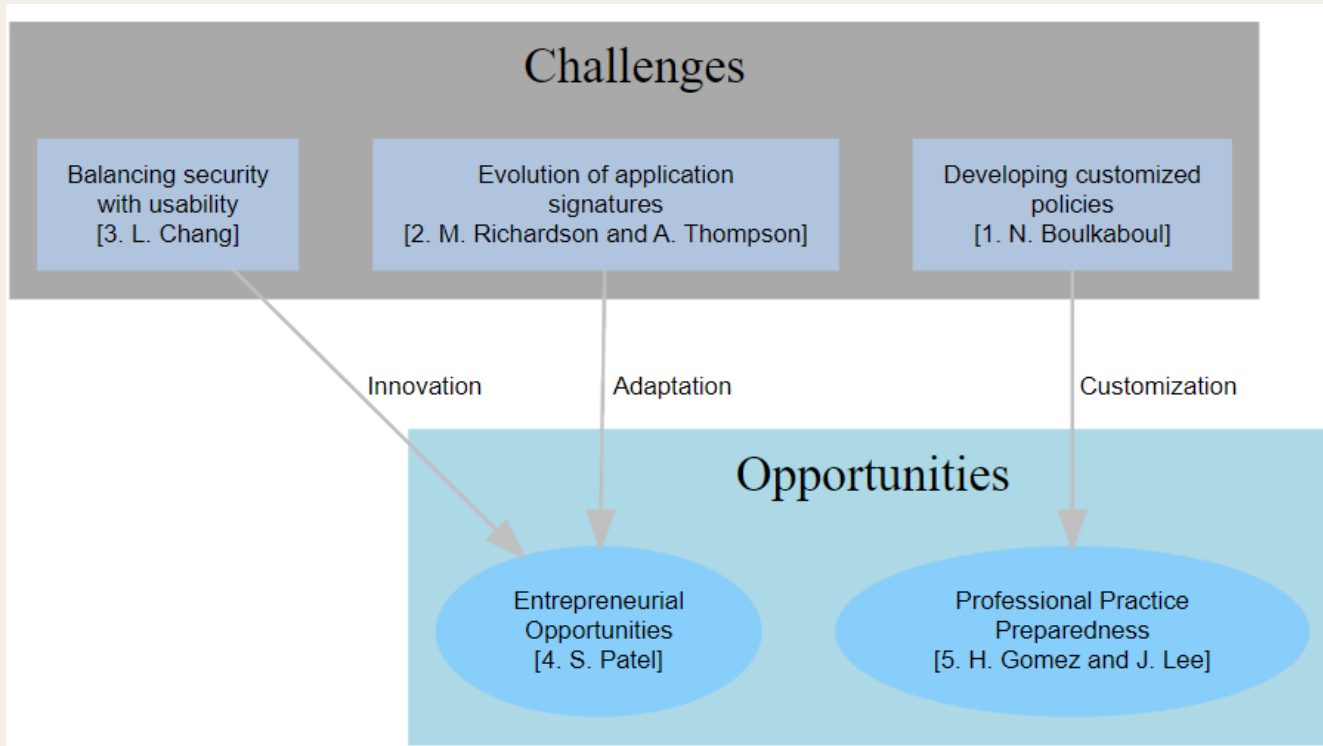
- Central to Checkpoint's security
- Integral to cybersecurity strategies

Key Benefits:

- Maximizes network efficiency
- Streamlines security management
- Proactively blocks threats
- Increases operational productivity
- Elevates user access experience

3. Benefits and Challenges

2. Navigating Challenges, Embracing Opportunities



- Key Takeaway:

-Challenges in application control catalyze entrepreneurial innovation and prepare professionals for a dynamic cybersecurity landscape.



4 Innovative Solutions and Use cases

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4. Innovative solutions and use cases

1. Enhancing Smart Workplace Security with Application Control [10]

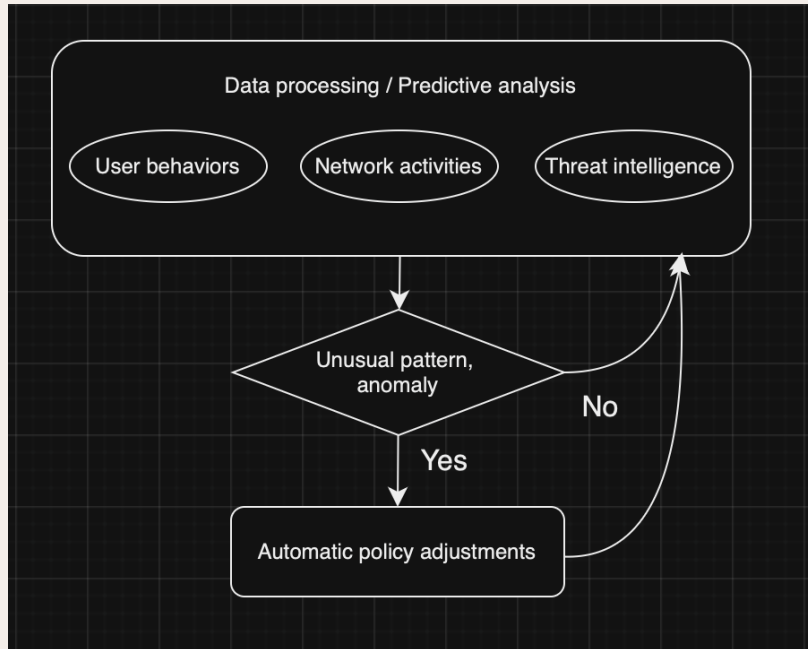
- Revolutionizing Workplace Cybersecurity
- Tailored Security Solutions
- Proactive Threat Mitigation:
- Innovation at the Forefront



4. Innovative solutions and use cases

2. Exploring opportunities for enhancement

- **Integration of AI for predictive analyses** [11]



Predictive analysis = process of using data to forecast future outcomes

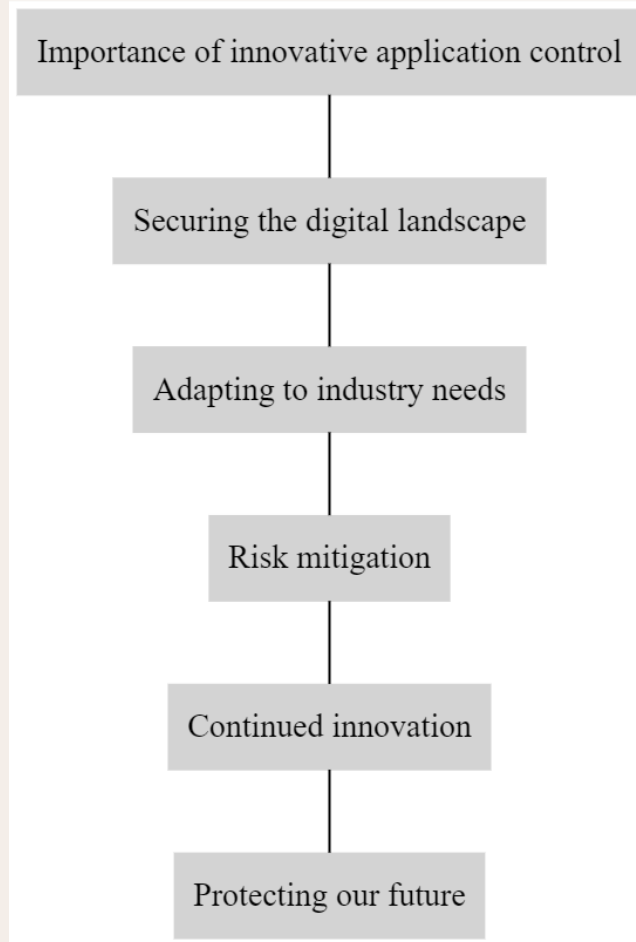
- **User Behavior Analytics (UBA)** [12]

- Focuses on insider threat detection
- Process: detect anomalies based on a baseline user behavior

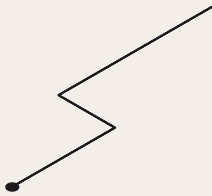
Solution for:

- Limited resources or technical complexity
- Compliance or regulatory requirements

Conclusions



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