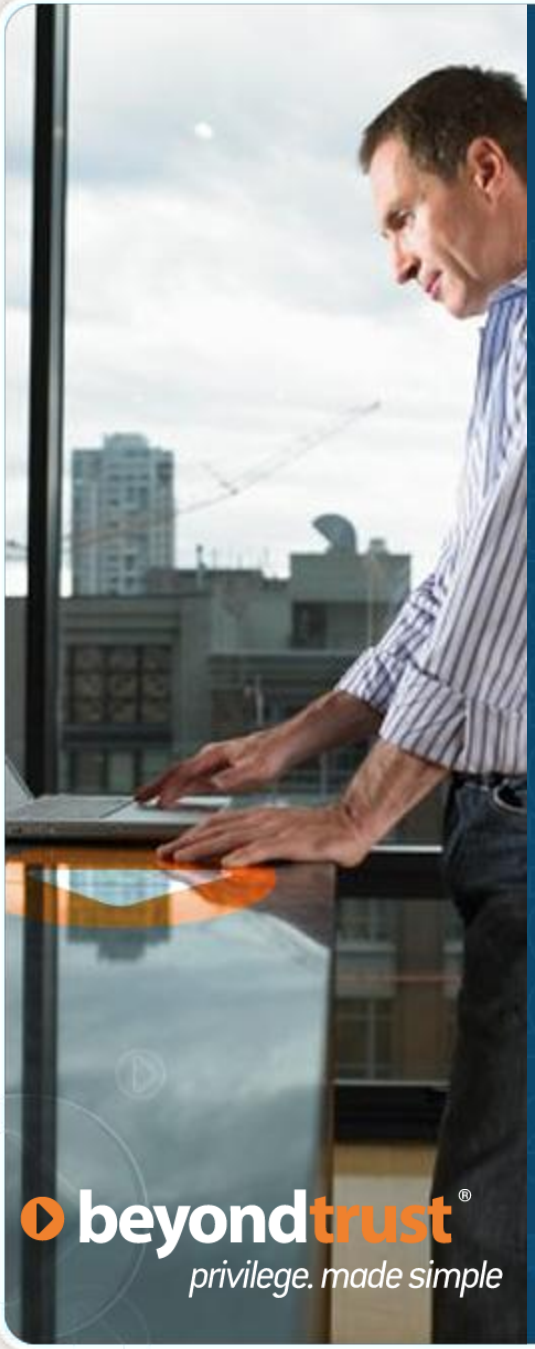

PowerBroker for Desktops

Delegate Privileges with Certainty & Clarity on Windows Desktops

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BeyondTrust at a Glance

What We Do:

Empower IT to eliminate the misuse of privileges in physical, virtual and cloud environments

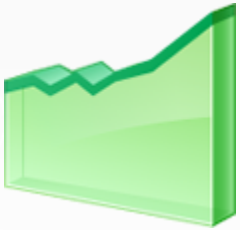
How We Do It:

- powerbroker® desktops *Windows® Edition*
- powerbroker® servers *UNIX®+ Linux® Edition*
- powerbroker® express
- powerbroker® virtualization

Heterogeneous Platforms
- Desktops
- Servers
- Network devices

Virtualization
- Host OS
- Virtual guest
- Supports standard environments

Cloud Computing
- Private cloud
- Public cloud
- SAS 70 and ISO 27001 compliance



Business Value:

92% reduction in exploited vulnerabilities[1]

$113,000 savings from insider breaches[2]

$1,237 savings per desktop[3]

25% increase in system admin productivity[4]

Compliant with mandates and audits

beyondtrust® *privilege. made simple*

Source: [1] *"Reducing the Threat from Microsoft Vulnerabilities"* by BeyondTrust
Source [3] "Gartner, Inc., "*Organizations That Unlock PCs Unnecessarily Will Face High Costs*," Michael A. Silver, Ronni J. Colville
Source: [2, 4] *"Privilege Made Simple"* by BeyondTrust

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People Need Boundaries, Not Walls

- Control “virtual sprawl” on servers and desktops
- Increase collaboration> without compromise: virtualization & cloud
- Assign privileges> within guidelines
- Root or admin passwords and access> to no one

“Organizations continue to struggle with excessive user privilege as it remains the primary attack point for data breaches and unauthorized transactions.”

~ Mark Diodati, Burton Group

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Privileges are Misused in Different Ways

Insider attacks cost an average **$2.7 Million** per attack[1]

Desktop configuration errors cost companies **$120/yr/pc**[2]

Virtual sprawl and **malware** are ever-present realities

Source: [1] *Computer Security Institute and FBI Survey.*
Source: [2] *IDC Report: The Relationship between IT Labor Costs and Best Practices for Identity and Access Management with Active*

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Desktop Catch 22: Security or Productivity

- Countless line of business applications require admin privileges
- Software and ActiveX installs require admin privileges
- Employees need to self maintain certain system settings, and cannot without admin privileges

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Windows 7, UAC & PowerBroker for Desktops

"End users have been asking for Windows to provide a way to add arbitrary applications to the auto-elevate list since the Windows Vista beta… Windows 7, just like Windows Vista, doesn't provide such a capability."

Mark Russinovich, Technical Fellow at Microsoft , Inside Windows 7 User Account Control,
http://technet.microsoft.com/en-us/magazine/2009.07.uac.aspx

"BeyondTrust PowerBroker for Desktops helps corporations that need to allow standard users to run applications that require administrative privileges on Windows Vista with UAC enabled without any prompts or input required from the user...

The combination of elevating approved applications transparently with PowerBroker for Desktops and running UAC in no prompt mode with Internet Explorer in protected mode provides a best-of-breed solution to the least privilege problem."

Austin Wilson, director, Windows Client Security Product Mgmt. at Microsoft eWeek,
http://www.eweek.com/c/a/Windows/BeyondTrust-Reins-in-Vista-UAC-Prompts/

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Delegate Privileges with Confidence & Clarity

- No root or admin passwords or access
- Centrally and easily define policy for authorized tasks
- Monitor privileged access
- Physical, virtualized or cloud

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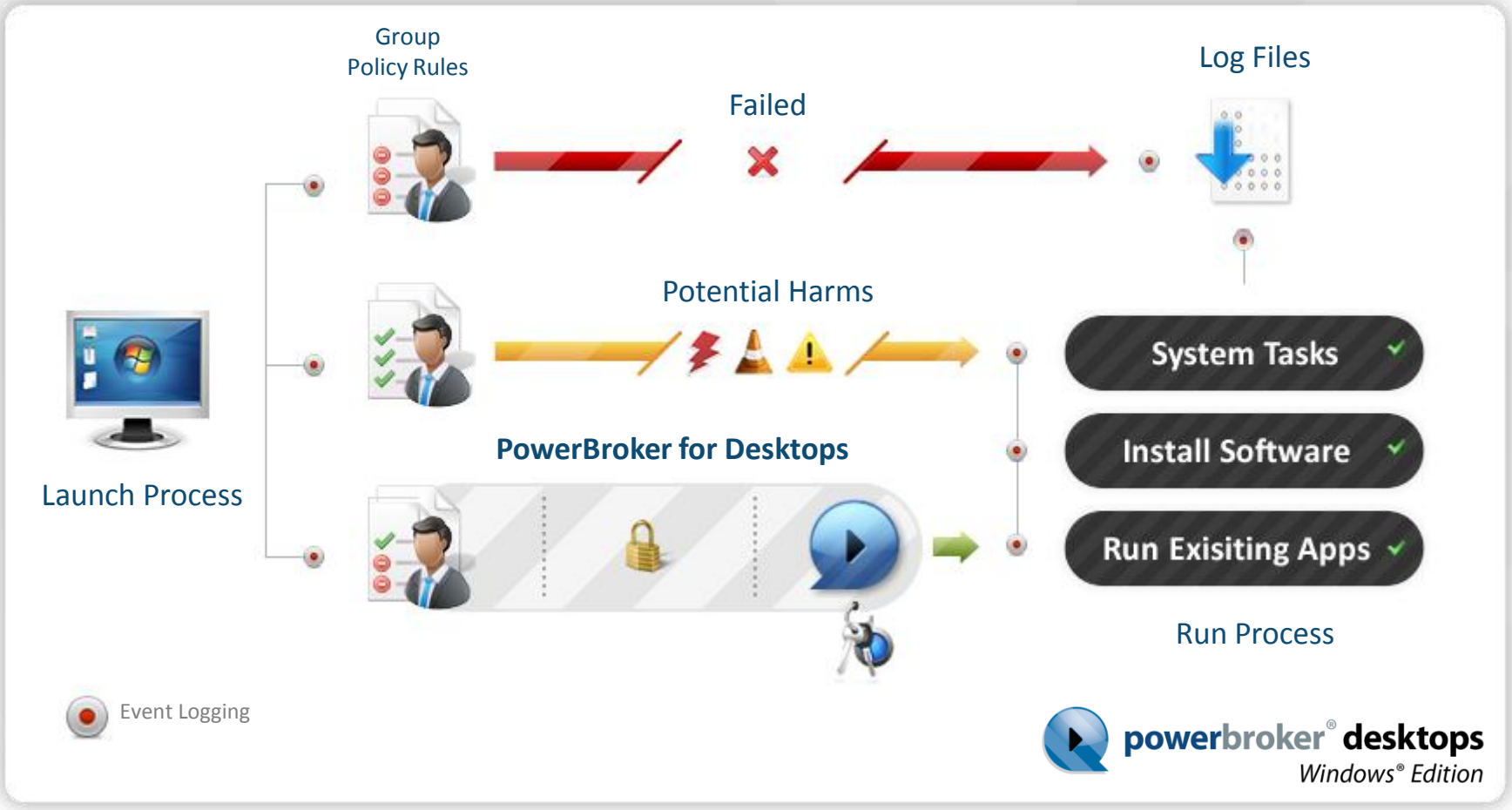
BeyondTrust Unique Value: Desktop



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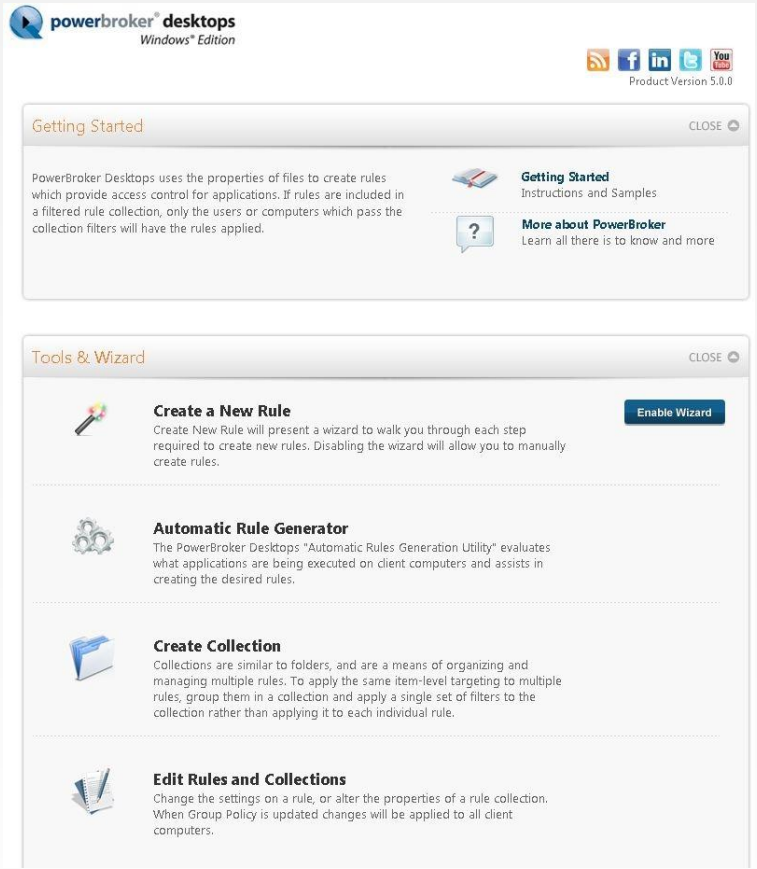
PowerBroker Desktops
New Features



Improved Dashboard

The new dashboard in PowerBroker desktops consolidates key functionality into one location, improving ease of use and presenting key features in a more obvious place.

Links to documentation, social media, reports, and other tools are all featured prominently in the user interface.

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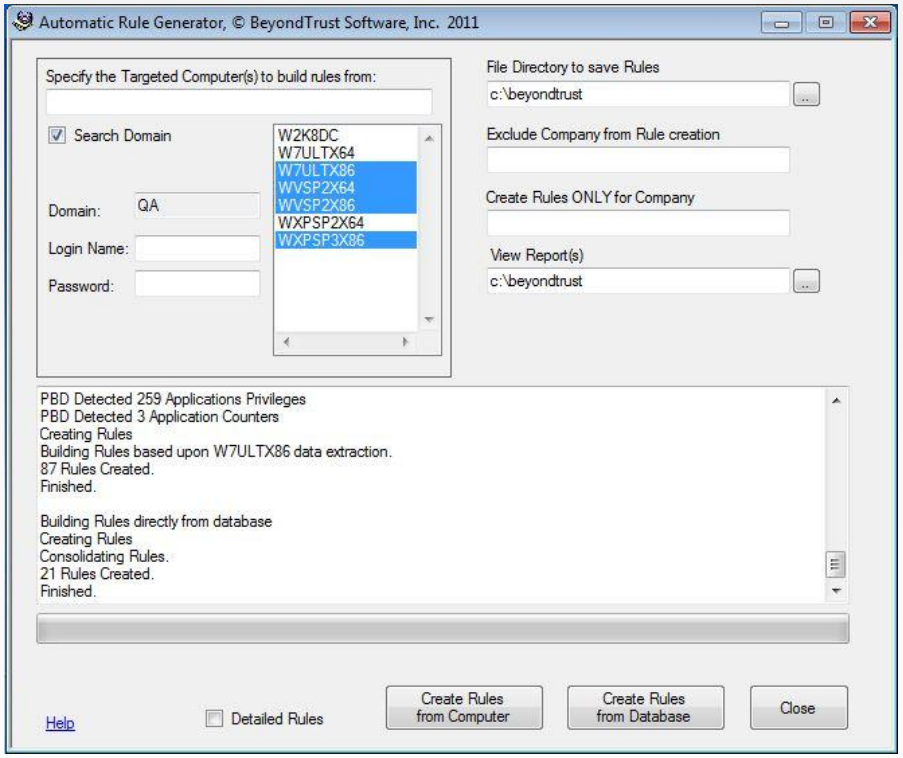
PowerBroker Desktops
New Features



Automatic Rule Generator

PowerBroker Desktops can be configured in passive mode to automatically detect the applications in an organization that require administrator privileges.

PowerBroker Desktops is the only end to end solution for eliminating administrator rights on the market today with such a high level of automation.

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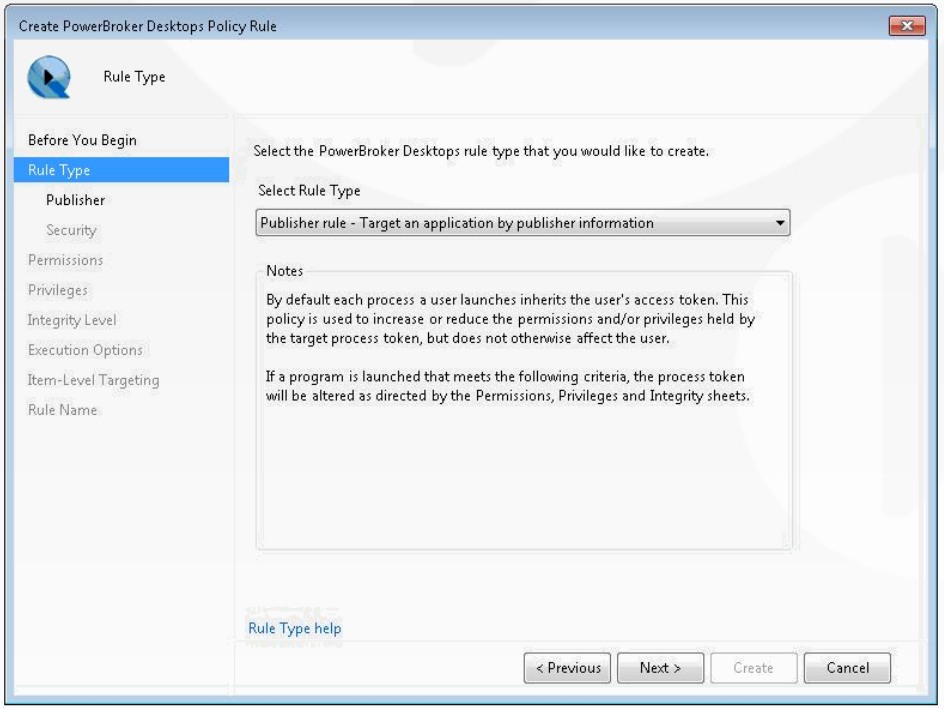
PowerBroker Desktops
New Features

Rule Wizard

The new Rule Wizard walks admins through the process of creating new rules and exposes functionality that was previously not obviously accessible.

The wizard allows for rapid creation of rules and is the easiest way for new administrators to get started using PowerBroker Desktops.



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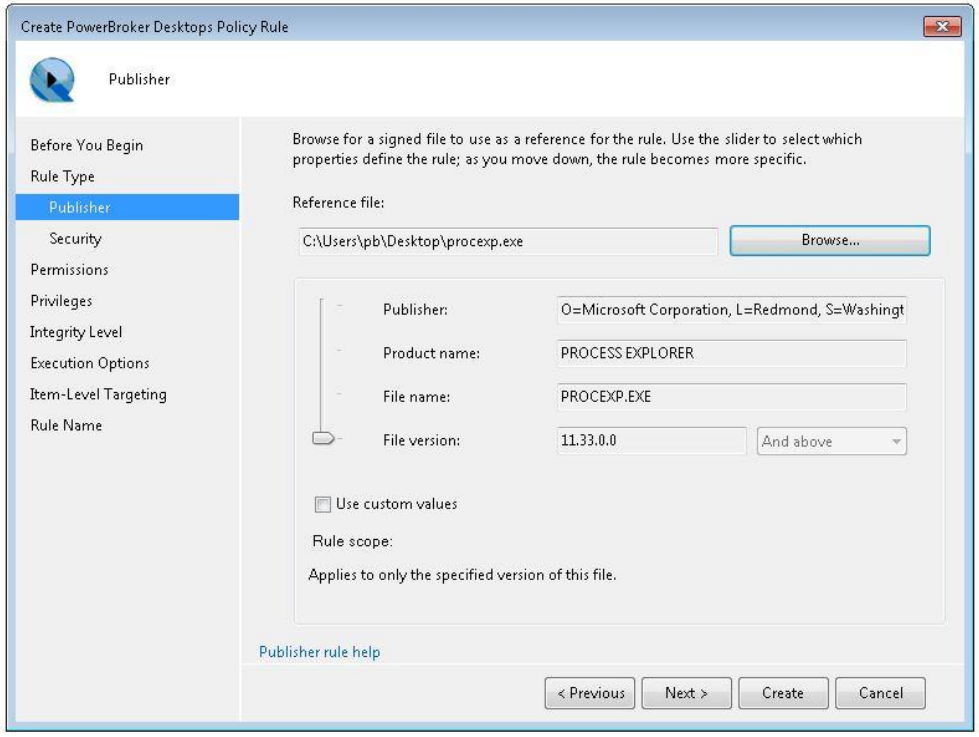
PowerBroker Desktops
New Features

Publisher Rule Type

The new Publisher Rule provides organizations with the same targeting mechanisms for application elevation that Microsoft's AppLocker uses for application white listing.

The Publisher Rule allows organizations to target applications for elevation based on the Publisher, Product Name, Original File Name and File Version.



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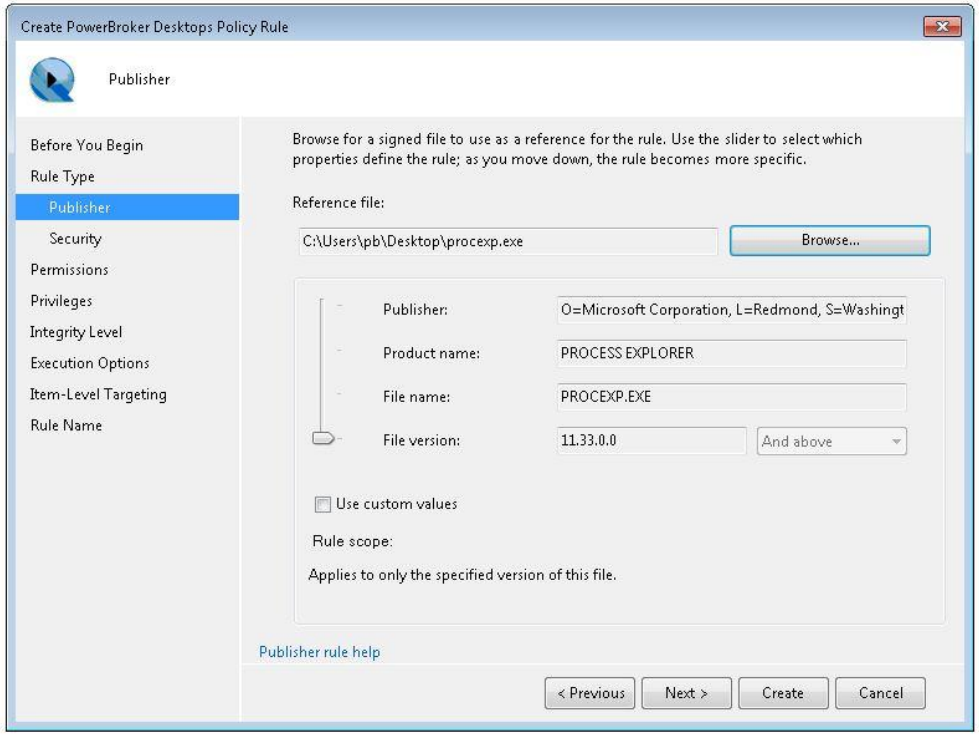

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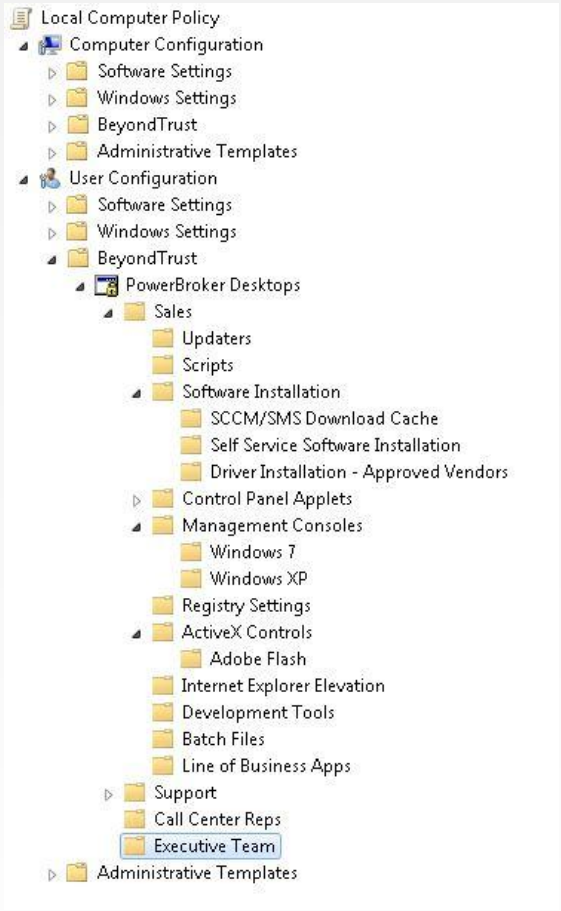
PowerBroker Desktops
New Features



Improved Rule Collections

Rules can be now grouped in a hierarchical fashion, similar to the Group Policy Preferences Registry Extension. Rules can be grouped in folders and targeting criteria can be applied to the entire collection instead of on each individual rule.

This streamlines the creation and organization of rules which was previously not possible in earlier versions.

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PowerBroker Desktops Advantages

- The only complete end to end solution on the market, with automatic discovery, remediation and deployment
- Fastest and easiest path to removing administrator privileges from users
- Enhance Windows 7 deployments and drastically improve the UAC experience for end users
- Achieve compliance with regulatory mandates by configuring all users as standard user
- Prevent unlicensed software installation
- Reduce data theft
- Reduce the attack surface available to malware
- Ease the deployment of Windows 7

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A DAY IN THE LIFE OF AN END USER

Key Considerations for Users

Security

- Users can do their job safely without exposing the enterprise to security risks

Productivity

- Users can perform all necessary tasks for their job role without interruption

Continuity

- No process required to request access to perform necessary tasks

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Be Secure

- Malware can no longer install on desktop
- Mitigate 92% of software vulnerabilities
- Your data remains safe

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Operate as a Standard User

- No environmental changes
- User logs in as standard user
- Does their job as they always have

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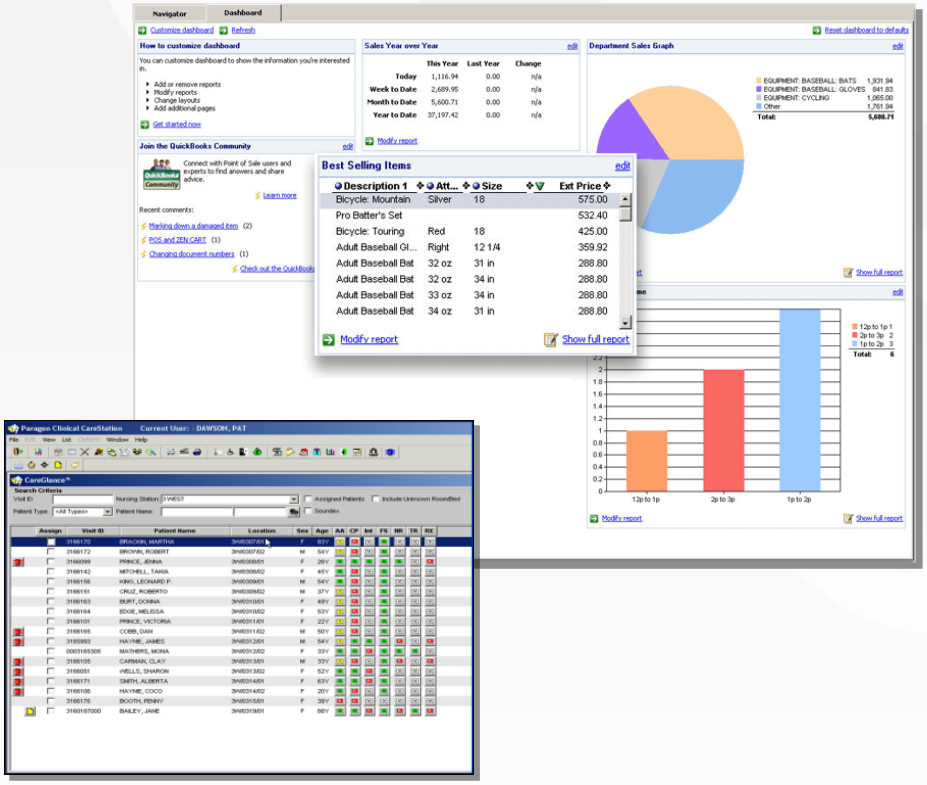
Be Productive

- **Necessary privileges to run all applications are provided transparently on an as-needed basis**



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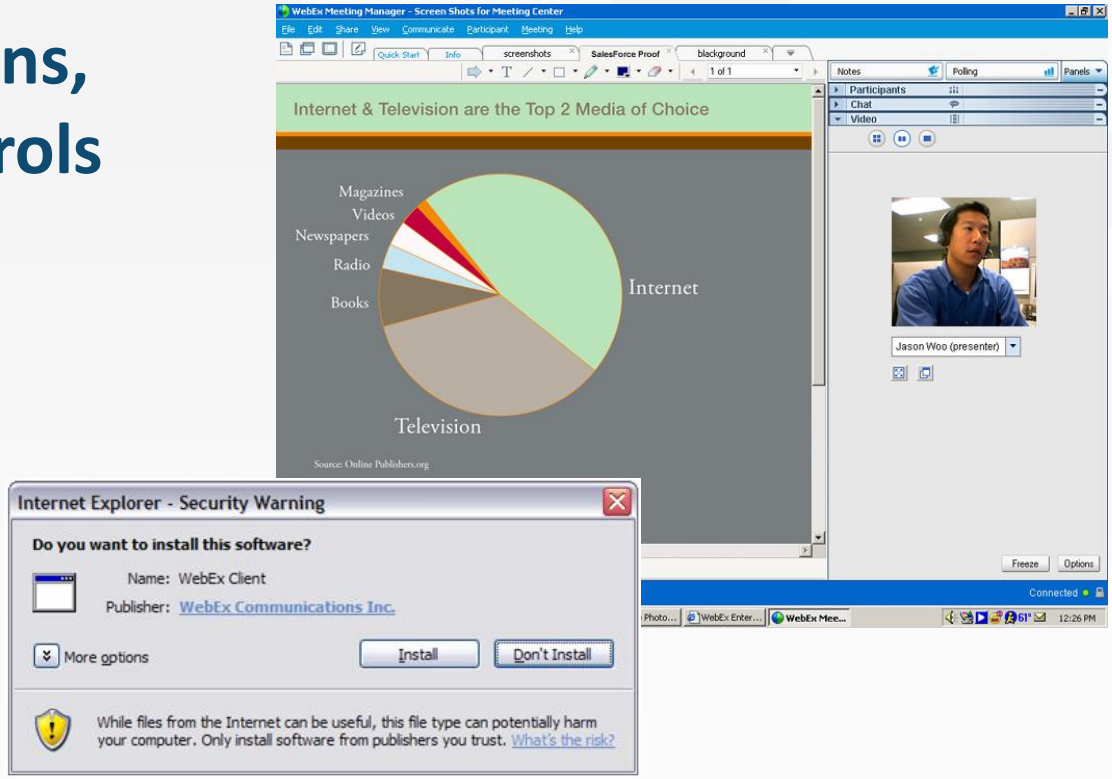
Be Collaborative and Creative

- Install web plug-ins, e.g. ActiveX controls
- Install approved software
- Update existing software



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Be Self-Sufficient and Empowered

- Self manage system tasks, e.g. connecting to a local printer

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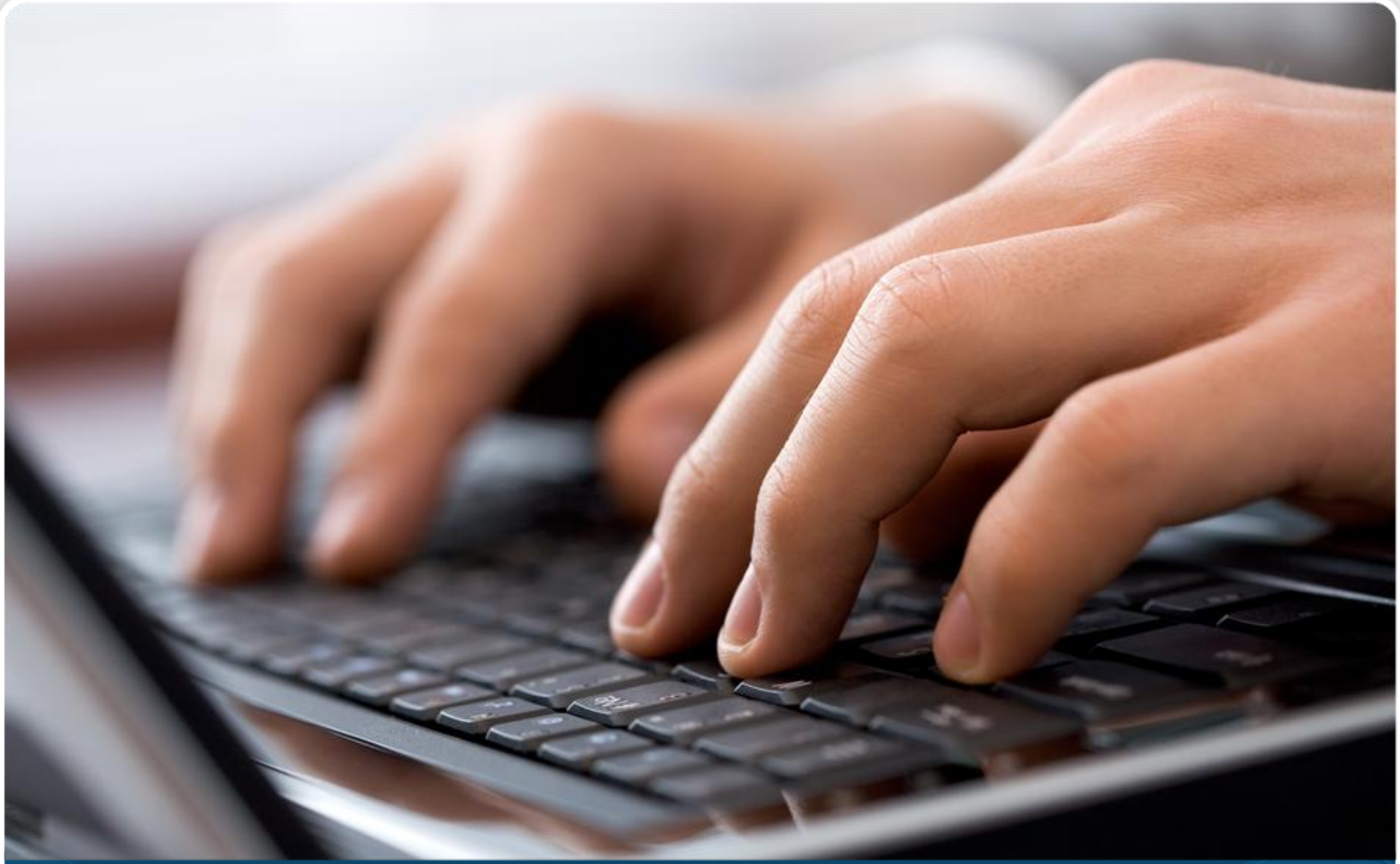

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Key Considerations for Administrators

Security

- Protect the enterprise from security threats
- Meet compliance objectives for security

Control

- Centrally manage privileges securely
- Provide audit-ready activity logs

Efficiency

- Enable the enterprise to remain productive
- Control IT costs and manage labor hours

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Protect Critical Assets

- **Manage Resources**
  - Define policies that grant privileged access to IT resources and deploy through existing Active Directory infrastructure.
- **Enable Best Security Model**
  - Employ standard user model, no admin rights for end users
- **Achieve Compliance**
  - Full compliance with principle of Least Privilege

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Maintain a Standard Desktop Image

- Maintain a standard desktop image
- Prevent users from installing whatever software they wish
- Stop users from altering security configurations

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Quickly Deploy to All Desktops

- **Deploy PowerBroker for Desktops Client Side Extension (CSE) to desktop**
  - Deployed as an .msi file using Group Policy or any software distribution solution (SMS, SCCM, Altiris, etc.)
  - As Microsoft adds functionality to Group Policy, they add CSE's to process added functionality delivered to desktop.
  - BeyondTrust adds a CSE per Microsoft specifications, does not install or run as a service
  - There is a small footprint with no performance impact

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Easily Manage with Seamless GP Integration

- Editor snaps-in to Group Policy Mgmt Console and uses familiar interface
- Intuitive policy mgmt with no new UI to learn
- No changes to the Active Directory schema
- Simply target processes, and set privileges for execution

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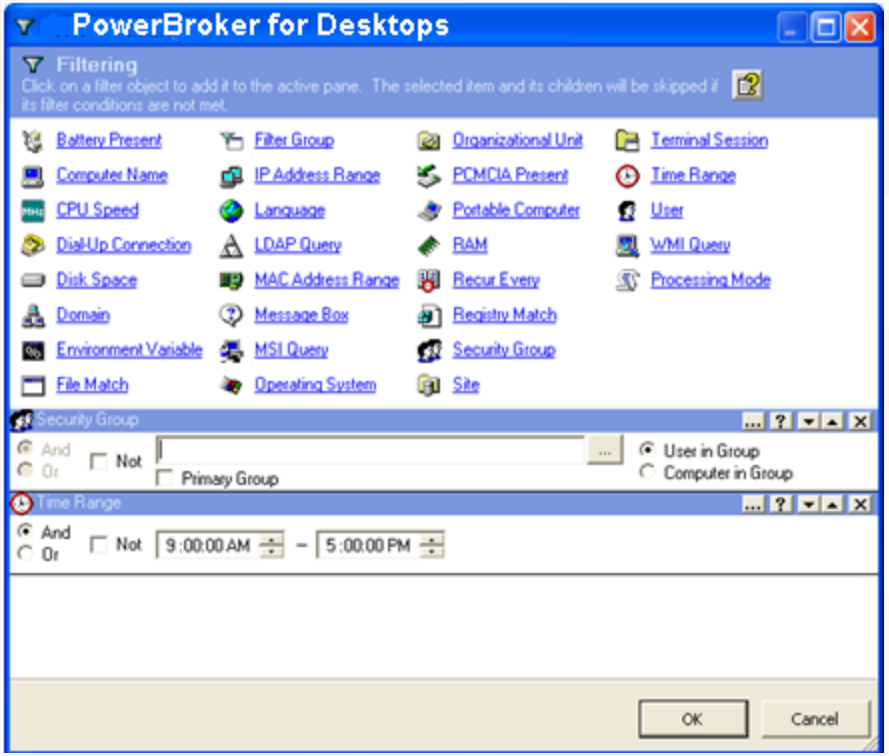
Adapt to Change

- Leverage existing OU structure and target policies with 25 powerful filters
- Create broad rules for laptops or groups like development or finance, as well as specific rules for individual users
- As changes are made in group policy, the existing rule structure will adapt without edits



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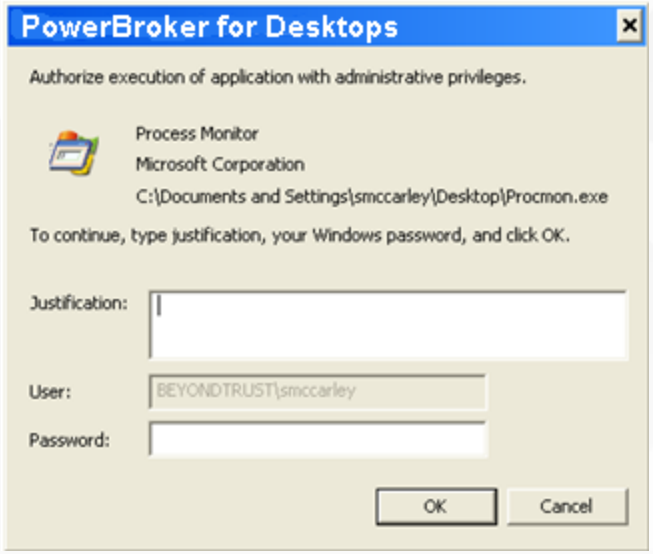
Reduce Helpdesk Calls

- As malware and user configuration errors are eliminated –complaints about “slow” desktops are reduced
- Policy rules enable users to run approved applications - no more visiting desktops
- Create rules to allow users to securely run applications on-demand - with audit logs



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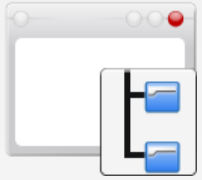
A DAY IN THE LIFE OF AN AUDITOR

Key Considerations for Auditors



Identity

- Central policy control of all privileges
- Privileged identity is maintained by preserving the users logged in security context

Authorization

- Authorized users are provided access to approved applications

Reporting

- All privileged activity is logged for auditing and compliance

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Achieve Compliance

- Comply with mandates including: FDCC, SOX, FISMA, HIPAA, PCI , NERC and GLBA
- Removing admin rights is key to maintaining Least Privilege and standardized security configurations
- Users only have privileges they need to do their job when they need it

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Protect Critical Assets

- Access defined in Active Directory
- Employ standard user model, no admin rights for end users
- Policy to enable access to authorized privileged access
- Full compliance with principle of Least Privilege

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Control Scope

- **Centralized policy to enable privileged access to resources**

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Know Who Has Access to Critical Assets

- Show users and roles that have access
- Show level of access privileges

Privileged Access Audit Report - 2/1/2010 5:20pm

User	Computer	Time	Rights	Resource	Privileges
Smith, John	Finance 1	2/1/2010 4:32pm	Standard	Quickbooks.exe	Admin privileges
Jones, Abagail	Support 22	2/1/2010 4:35pm	Standard	IPconfig.exe	Admin privileges
Richards, Tim	Support 22	2/1/2010 5:07pm	Standard	Polmon.exe	Debug

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Perform Forensic Analysis

- **Centralized audit log of all privileged access performed by users**

Privileged Access Policy

User	Computer	Resource	Privilege Manager Policy	Rights	Privileges
Smith, John	Finance 1	Quickbooks.exe	Quick Books for Finance	Standard	Admin privileges
Jones, Abagail	Support 22	IPconfig.exe	Wireless Connection	Standard	Admin privileges
Richards, Tim	Support 22	Polmon.exe	Monitor Processes	Standard	Debug

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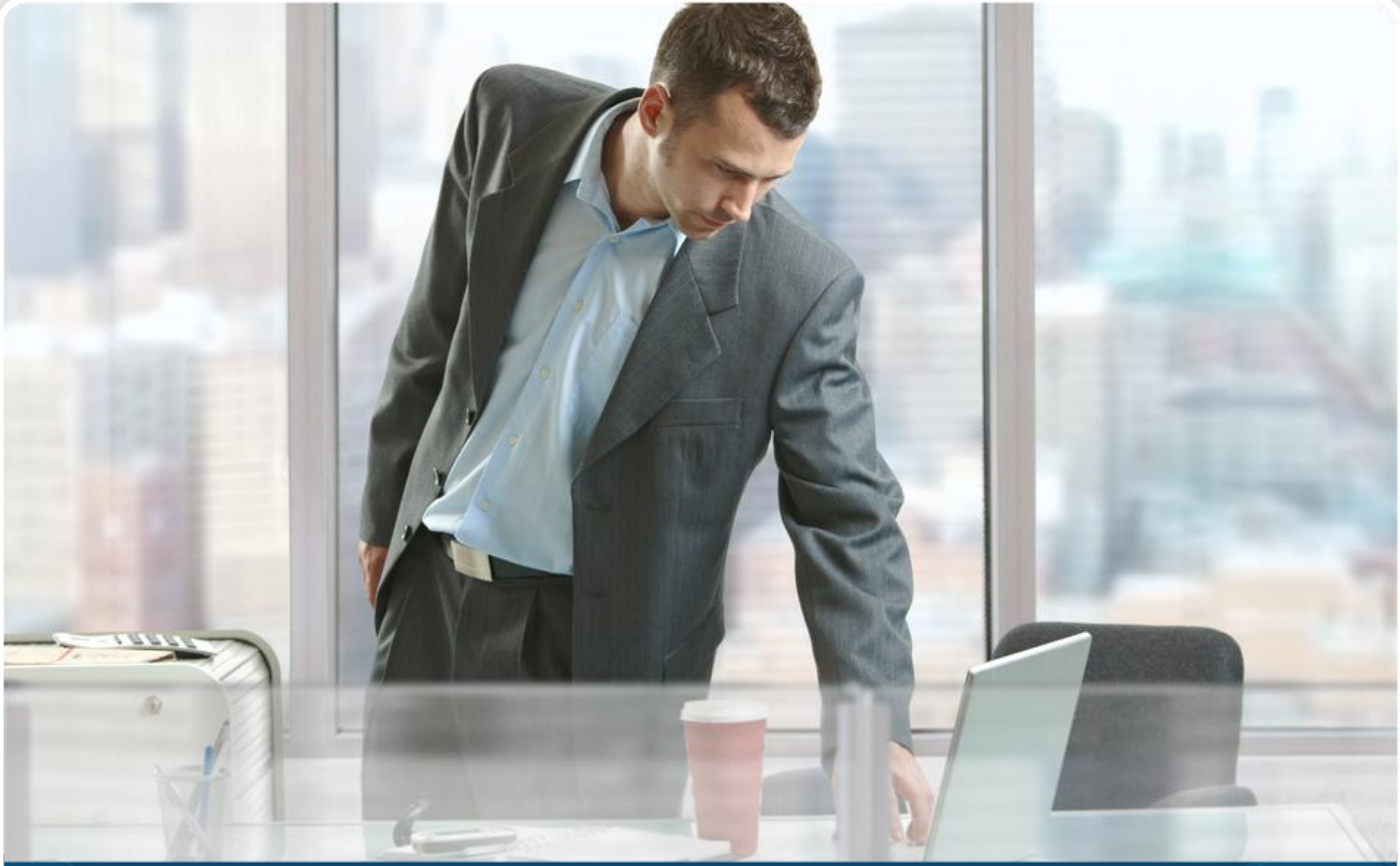

PowerBroker for Desktops Customers

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Case Study: Fortune 500 Financial Services Company

Situation: Director Info & Risk management sees high risk from development environment because of skill concentration; mandate to implement least privilege

Complication: Developers often require administrator privileges to use certain developers tools. "Run as" being used currently to allow access; no accountability

Competition: Avecto and run-as

PowerBroker for Desktops differentiators: Depth of elevation parameters and configuration options for specific executables; group policy integration, native windows architecture (no relearning or proprietary risk).

Numbers: 5000 seats

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PowerBroker for Desktops – Key Competitive Differentiators

Breadth of Coverage	Over 170 preconfigured rules in the current released version. **BENEFIT:** Preconfigured rules provide out of the box support for many windows platforms and new Windows 7 rules / support in latest release
Ease of Deployment	Windows Group Policy integration. Easy to use rule editor. Policies are deployed via Windows Group Policy update (background process) **BENEFIT:** No Dedicated server or additional services required.
Platform Options	Support for Windows 2000, 2003, 2008, XP, Vista, Windows7 **BENEFIT:** Flexibility to suit current and future environmental needs
Investment Protection	Part of full product suite for Privileged Access Lifecycle Management in heterogeneous environments. **BENEFIT:** Customers have flexibility to deploy suite components aligned with their needs and budgets
Company Viability	Highly profitable company with ~$40M bookings and ~30% Year over Year bookings growth from 2008 to 2009.

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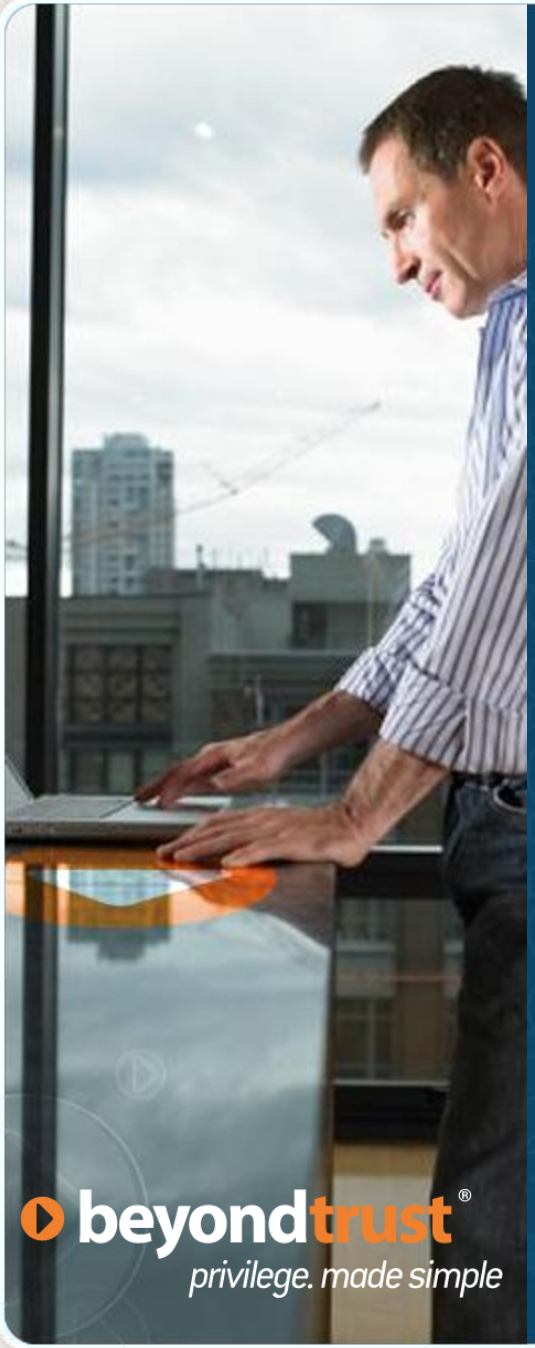

Thank You

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