

# Ransomware readiness assessment



#HCLFortius

## | The Challenge

Ransomware has proven to be both extremely prevalent and effective at disrupting business in today's technology landscape. The greater scale of today's environments and the vast expansion of a remote workforce has made it increasingly difficult to prevent Ransomware and related threats. These difficulties can range from raising user awareness about the threat and recovery, to preparing the environment in case of an incident, and even defending against active Ransomware threats.

## | Solution

Our experienced Cyber Security experts work with our clients to ensure that they understand the scale and depth of what should be done to prevent Ransomware attacks. Our team also understands and delivers the best practices involved in minimizing the likelihood of Ransomware threats and mitigating the damage and accelerating recovery, should an incident occur.

With a vast range of industry experience and insight, our experts will review existing implementations, security platforms, and strategies. We then provide detailed reports on findings, feedback, and suggestions, tailored to your business, on how to improve your Ransomware Readiness, Response, and Recovery.

Our team's broad skillset in defense and readiness across the entire threat landscape will support your business and mission with industry-leading security practices. The team is extremely skilled in reviewing software suites including antimalware, EDR, intrusion prevention, and intrusion detection platforms. Also, we have depth in network security platforms that include data loss prevention, proxy servers, web isolation services, and firewalls. With our team's guidance, your business will be stronger, more defensible, and ready to thwart any Ransomware attacks that attempt to lay siege to your environment.

## | How Ransomware Readiness, Reaction, and Recovery Works

Our tailored and proven methodology ensures consistent service delivery, which means that you will always have an expert who can help you reach your business outcomes on time and on target. HCL's Fortius cybersecurity consulting provides a proven framework with a solution driven approach by leveraging our best practices in key areas encompassing business and technical objectives/processes; all to derive the most value out of the solution for current and future needs.

### Who Should Leverage this Service?

- Clients looking to improve their resilience against Ransomware threats
- Critical Infrastructure
- Medical/Healthcare
- Past victims of Ransomware attacks

### Why HCL Global Product Consulting?

- We are the Security experts!
- HCL Global Consultants have experience with a comprehensive scope of the security landscape
- Our Team understands the specific needs of different industries and can provide the required expertise to meet your cybersecurity demands

The following outlines typical Assessment topics:



## Endpoint Security Best Practices

### o Assessment

- Review infrastructure attack surface
- Review Business Continuity/Disaster Recovery/Incident Response
  - Includes data Backup/Restore, System Re-imaging, Offline Spares
- Review staff communication and collaboration
- Review KPI's and Baselineing

### o Preventive

- Implement/Enhance Host-based security solutions for system hardening and detection
- Implement/Enhance policies and best practices to ensure effective coverage
- Implement/Enhance deployment to client systems
- Implement/Enhance remote workforce best practices and preparedness
- Implement/Enhance Business Continuity planning to optimize Disaster Recovery

## Network Security Best Practices

### o Assessment

- Review infrastructure attack surface
- Review Business Continuity/Disaster Recovery/Incident Response
  - Backup/Redundant network pathing, port flow data, quick ACL/Port blocking
- Review KPI's and Baselineing

### o Preventive

- Implement/Enhance client connectivity best practices
- Implement/Enhance remote workforce best practices
- Implement/Enhance Network Administration Rapid Response capability

## User Awareness Best Practices

### o Assessment

- Review Acceptable Behavior policies
- Review End User training and communications

### o Preventive

- Implement/Enhance user awareness processes and effectiveness
  - Spotting spoofed links, phishing emails
  - Impact awareness



As a result of the review process, a detailed report on findings, feedback, suggestions, and best practices will be provided. This report can be used as a guideline and planning document for the process of hardening the environment and bolstering your defenses. You will find industry-targeted best practices for security platforms, hosts, network-based security platforms, and user awareness improvements that can be implemented. Our team will also detail any red flags and security or configuration concerns that may be noteworthy. With years of security and industry experience, our team's improvement reports are second to none.

We will help you understand the "Read, Write, and Delete" method used by most Ransomware, as well as enumeration of available SMB (File Share) targets. With a better understanding of how your attacker works, you will be better prepared to mitigate and minimize any negative impact. Implementing a better security posture against Ransomware will also provide additional security against other common cyber-attack methods. Improving your prevention and accelerating your response and recovery can make the difference between an inconvenience and a catastrophe.

## | Further Reading

Building Your Remote Workplace Environment's Fort Knox in the Age of Remote Workplaces | HCL Blogs (hcltech.com) Email Security as the First Line of Defense: Is Your Drawbridge Down? | HCL Blogs (hcltech.com) "Trust But Verify" is Obsolete: Zero Trust Networking | HCL Blogs (hcltech.com)

## | Why HCL's Fortius cybersecurity consulting

Our consultants deliver real world value to help guide organizations in improving their security posture through:

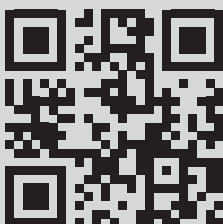
- Real-life experience operating solutions in the world's largest and most complex networks
- Direct access to internal product teams enabling faster diagnosis and resolution of issues
- Utilize Subject Matter Experts, proven methodologies, and industry best practices
- Optimize policies and procedures and engage measurable controls to realize greater program maturity
- Informal training to improve your team's effectiveness
- Drive increased value from existing security products

For more information or to get started, please contact us:  
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HCL offers its services and products through three lines of business - IT and Business Services (ITBS), Engineering and R&D Services (ERS), and Products & Platforms (P&P). ITBS enables global enterprises to transform their businesses through offerings in areas of Applications, Infrastructure, Digital Process Operations, and next generation digital transformation solutions. ERS offers engineering services and solutions in all aspects of product development and platform engineering while under P&P. HCL provides modernized software products to global clients for their technology and industry specific requirements. Through its cutting-edge co-innovation labs, global delivery capabilities, and broad global network, HCL delivers holistic services in various industry verticals, categorized under Financial Services, Manufacturing, Technology & Services, Telecom & Media, Retail & CPG, Life Sciences, and Healthcare and Public Services.



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