ANALYZING CYBER SECURITY RISK

Investment Management

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INDUSTRY RISK ASSESSMENT

While any company or industry can be the target of a cyberattack, there are factors which can expose certain industries to higher risk than others.

Higher-Risk Industries*	Brand Visibility	Data Sensitivity	3rd Party Access	IT Complexity	Regulatory Environment
Financials	High	High	Low	Medium	High
Healthcare	Medium	High	Medium	Medium	High
Retail	High	Medium	High	Low	Medium
IT Services	Medium	High	Medium	High	Low
Utilities & Infrastructure	Medium	Medium	High	Medium	High
Energy	High	Medium	High	High	High
Manufacturing	Medium	Medium	High	High	Medium
Legal Services	High	High	Low	Medium	Medium

^{*} Risk levels can vary significantly within industries, based on company size, geographic scope, and specific business models.

In addition to evaluating an industry's likelihood as a target, we also consider the degree to which a cyberattack would be a significant threat to the business.

e.g. UTILITIES Provide critical infrastructure but less brand focused e.g. Operations halt with significant reputational damage e.g. BASIC MATERIALS Often B2B with less consumer-facing risk e.g. PROFESSIONAL SERVICES Disruption can be compartmentalized

Market capitalization is an additional dimension not visualized. While a cyberattack on a small-cap company might affect fewer individuals, any resulting financial loss could be more impactful to the overall business than it would be for a larger company.

ORGANIZATIONAL RISK ASSESSMENT

While there are risk signals common to certain industries, there are company-specific vulnerabilities that may be difficult to detect by an investor from the outside, including



Cultural

Security commitment may just be at the surface level and not fully embedded. Individual employee compliance is also a key variable.



Operational

Legacy infrastructure or insufficient planning/oversight may create unknown exposures and technical blind spots.

Financializaton

Significant cyber security incidents are often, but not always, financially material. Ways in which a cyber security incident can be financially material include the following:

- · Significant sums of money (which cannot be recovered) may be sent to a fraudulent individual.
- Sensitive data may be lost, with associated fines/damages.
- Underspending on security protections may lead to a sudden and unplanned expense to upgrade systems.
- · Inadequate cyber insurance may create large financial exposures.
- Reputational damage may cause loss of customer trust and lower future sales.

Engagement

Engagement can serve two purposes:

- 1. To better understand the risk profile of an investment
- 2. To understand the range of remediation activities, post-incident

Some lines of enquiry that can be helpful include



Governance

- Board expertise and management oversight
- · Degree of cross-functional coordination



Strategy

- Scope of cyber management/policy
- · Incorporation of emerging risk factors e.g., AI



Risk Management

- Organizational risk tolerance and mitigation
- Incident response testing and impact assessment



Metrics & Targets

- Linkage of KPIs to compensation
- · Cyber as a % of IT budget and changes over time



FURTHER INFORMATION

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