



TechFite

# Adoption Plan Proposal

D088 Final Assessment

Name

Date

Version 1.0



**WESTERN GOVERNORS UNIVERSITY®**

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## PART A. SUMMARY

TechFite manufactures medical devices and is now working with NASA on a project that would allow humans to thrive in space longer. TechFite seeks to work with other countries' space programs, such as the European Space Agency and the Canadian Space Agency. This international growth may result in the opening of overseas subsidiaries. TechFite will work with new institutions and organizations to expand their operations, which poses an increased security risk.

Given that the company is already required to comply with FISMA and NIST, the IT staff is particularly concerned about security. TechFite Administrators need a new and robust system to scan the logs of all incoming network traffic that passes through the firewalls to comply with industry standards and mitigate the security risks associated with its expansion. TechFite must keep these logs for at least a year, which means the company will require massive data storage space. The company must automate the ingestion, compression, and storage of log data to achieve these objectives.

## PART B. EMERGING TECHNOLOGY SOLUTION

I recommend that TechFite purchase Humio's log management solution because its data ingestion pipeline uses artificial intelligence features to compress log data by 5-20x, resulting in less storage and lower transfer fees. Humio's engineering team recently completed a one petabyte-per-day benchmark test in which they processed 30 million logs per second (Humio Unveils New Streaming Benchmark 1+ Petabyte of Data a Day, 2022).

Humio is classified as an emerging Gartner Maturity Level because it is a first-generation technology that industry leaders are only now learning how to use to gain a competitive advantage.

By using Humio, TechFite will be able to go from its current level of scanning 10,000 log files per week to virtually limitless log scanning capabilities. Humio offers both an AWS-hosted SaaS solution and an on-premises solution, which means TechFite will be able to log everything in all operating environments while dramatically saving on storage and administrative costs.

## PART C. ADOPTION PROCESS – GARTNER STREET METHOD

I have chosen the Gartner STREET method as the adoption process, which uses six steps called scope, track, rank, evaluate, evangelize and transfer.

### C1. SCOPE

The scope defines the current business issue and opportunity and the organization's goals, such as supporting critical corporate objectives. The scope for TechFite is to address the manual security logging process.



**C2. TRACK**

Tracking is the second stage, and it entails going out and looking for technologies intended to serve the scope stated in the previous step. TechFite is investigating cloud-based automation solutions, specifically Humio, as part of this strategy.

**C3. RANK**

The third stage, Rank, analyzes the second step results to rank the technologies and the vendors that provide them. TechFite is considering other vendors besides Humio, such as Splunk and logz.io, and open-source solutions such as the ELK stack (ElasticSearch, LogStash, and Kibana).

**C4. EVALUATE**

The rankings are used during the evaluation stage to generate a proof of concept for the top contenders to understand the implementation process better and assess potential hazards. TechFite is making a proof-of-concept comparison of Humio and Splunk's costs, efficiency, and business model fit.

**C5. EVANGELIZE**

Evangelization is a vital stage of any emerging technology's adoption cycle, focusing on getting buy-in from teams and champions within those teams. For TechFite, this entails educating and empowering employees about the benefits of automatic log ingestion.

**C6. TRANSFER**

In the transfer step, an internal team takes over operational and deployment duties for the technology. During this final step, TechFite hands off control of the Humio log ingestion solution to the team that will maintain it.

**PART D. TECHNOLOGY IMPACT**

*Describe both a positive and a negative impact that your emerging technology solution could have on the people or current processes in the organization, providing two examples for how to address the negative impact. DELETE THIS !!!*

**PART E. TECHNOLOGY COMPARISON**

*Compare your emerging technology solution to an alternative technology solution, providing two advantages and two disadvantages that each technology may have for the organization. DELETE THIS !!!*

**E1. ADVANTAGES OF TECHNOLOGY A**

## E1. ADVANTAGES OF TECHNOLOGY B

## E1. DISADVANTAGES OF TECHNOLOGY A

## E1. DISADVANTAGES OF TECHNOLOGY B

## PART F. ADOPTION METRICS

*Recommend a plan that can be used by the organization over a specific time frame to determine whether adoption of the proposed emerging technology solution will be successful or unsuccessful, based on organizational needs. DELETE THIS!!!*

## PART G. SOURCES

*Acknowledge sources, using in-text citations and references, for content that is quoted, paraphrased, or summarized. DELETE THIS!!!*

Humio Unveils New Streaming Benchmark 1+ Petabyte of Data a Day. (2022, March 8). CrowdStrike.Com; [www.crowdstrike.com](https://www.crowdstrike.com).  
<https://www.crowdstrike.com/press-releases/crowdstrikes-humio-platform-unveils-scalability-benchmark-streaming-over-one-petabyte-of-data-per-day/>

