Information Technology Services
SBPC Requests
FY 2020

Spring 2018
Summary

**ITS requests funding for 1 strategic initiative in Fiscal Year 2020**

University-wide Information Technology Security Infrastructure

*Critical Component of the URI IT Strategic Plan*

- IT Strategic Governance unanimously supported this proposal
  - ITGov March 8, 2018 vote
- Supports the following University Strategic Plan Goals:
  - Goal 5, Strategy 2 and 4
- Install and deploy a consistent Security Infrastructure throughout the University.
  - $ 301,000 One-time Purchases and Professional Services
  - $ 135,000 Annually for Patch/Vulnerability Management Services (FY2020 and later, if we get 2 year discounted pricing)
University-wide Information Technology Security Infrastructure

• URI is **NOT** in compliance with the 2015 RI Identity Theft Protection Act
• URI is required to have a Risk Based Information Security Plan
• Requires reasonable security procedures appropriate to:
  - Size and scope of the organization;
  - the nature of the information;
  - the purpose for which the information was collected.
• URI faces increasing cyber threats from across the globe
  - The University sees 401,900 hacking attempts from China/Southeast Asia or former USSR affiliated addresses per 24 hour period and 1.6 Million visible hacking attempts on the University each day.

A breach or intrusion on URI data and infrastructure would result in loss of computer facilities, imposition of fines and probably most importantly, the loss of reputation.

*This proposal is a companion to the Single Directory Structure proposal because the implementation of an ITS Security Infrastructure is supported by a single authoritative directory.*
University-wide Information Technology Security Infrastructure

- Implement Vulnerability Assessment and Remediation Program
  - Patch Management System for Operating Systems and Applications
    - Meets minimum requirements of the IT Strategic Plan Goal 5 (IT Risk Management) Strategy 2 (Develop and Sustain a Robust Information Security Program) 5.2.3
    - Focuses on protecting infrastructure, end points, and URI data
    - *It is imperative that we address the increasing need for identifying and protecting vulnerable University systems.*

- Security Configuration Controls and Management
- Vulnerability / End-Point Management for Security Compliance
  - The absence of vulnerability and security patches leaves URI at risk for satisfying compliance requirements (PCI, HIPAA) and increases university wide LIABILITY.

- Develop a Risk Based Information Security Program
  - Required as part of The Rhode Island Identity Theft Act of 2015
  - Centralized repository of documented policies procedures which will allow employees to clearly understand their roles and responsibilities when it comes to safeguarding university data.
    - Begin building a Business Continuity Plan
    - Conduct Risk Management Assessments
      - 68% of Peer Higher Ed Institutions have completed a Risk Assessment (Educause)
      - *URI has *not* engaged a consultant to conduct a Risk Assessment*
University-wide Information Technology Security Infrastructure - Costs

Components of Security Infrastructure One-time Funding (FY2020)

PLEASE NOTE – Pricing is as of March 2018. Prices likely will change by FY2020

• Patch Management (this lists examples of specific products)
  • IBM BigFix Compliance MVS Unit Licenses $48,000
    • For Servers + SW Subscription & Support 12 Months $71,000
  • IBM BigFix Compliance Client Licenses
    • Software Subscription & Support 12 Months $24,000
  • Professional Services $143,000
  • One time funding cost
    Includes FY2020 maintenance cost bundle and discount of $20,000
    *Note: all licenses are perpetual

• Real Time Vulnerability Management (this lists examples of specific products)
  • Tenable Security Center Continuous Vulnerability Mgmt $146,000
    NOTE - Based on 2 year prepaid pricing saving the university $84K (cost above reflects savings)
    • Professional Services $12,000
    • One time funding cost $158,000
    Included in numbers above which would normally be base budget
    FY2019 maintenance cost bundled and discounted = $67,438
    *Note: all licenses are renewed yearly

Total One-time Funding request for FY2020 $301,000
Annual Funding request for maintenance beginning FY2020 $135,000
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<tr>
<th>Name</th>
<th>Department/Office</th>
<th>Title/Position</th>
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<tbody>
<tr>
<td>Karim Boughida</td>
<td>University Libraries</td>
<td>Chair, Dean</td>
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<td>Gabriele Fariello</td>
<td>Information Technology Services</td>
<td>Chief Information Officer</td>
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<td>Mike Motta</td>
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<td>Patricia Casey</td>
<td>Controller’s Office</td>
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<td>Michael Katz</td>
<td>Research &amp; Economic Development</td>
<td>Associate Vice President</td>
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<td>Mike Khalfayan</td>
<td>Information Technology Services</td>
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<tr>
<td>Dean Libutti</td>
<td>Provost Office</td>
<td>Vice Provost for Enrollment Management</td>
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<td>Kelly Mahoney</td>
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<tr>
<td>Bahram Nassersharif</td>
<td>Department of Mechanical, Industrial and</td>
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<td>Systems Engineering</td>
<td>Professor &amp; Chair, CITICCN</td>
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<td>Joan Peckham</td>
<td>Computer Science and Statistics/Big Data</td>
<td>Department Chair/Professor/co-coordinator HPC</td>
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<td>Kathleen Torrens</td>
<td>Communication Studies and Office for the</td>
<td>Professor / Assistant Director</td>
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<td>Advancement of Teaching and Learning</td>
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<td>Paul Whitney</td>
<td>Student Affairs</td>
<td>Administrator, Campus Stores</td>
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<td>Adriana Wilding</td>
<td>Student Senate</td>
<td>Undergraduate Student</td>
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**IT Strategic Governance Committee Members**
Thank you