How Can We Help?

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Strategic Objectives of the Provost

Identify and manage new, diverse, and sustainable revenue sources and implement versatile and robust **financial management models and systems**.

Create and sustain an infrastructure ... a **technology-enhanced**, **data-enabled**, **and interconnected** campus.

Integrate continuous planning, evaluation, and assessment to ensure the organizational capacity for agile, flexible, and **data-informed** decisions.

Administration and Operations Transformation

From the AOTI vision statement:

- Eliminate barriers, unnecessary work flows, and duplicative and/or redundant efforts at all levels within the university
- Use best practices in service delivery
- Leverage technology to automate and simplify processes, reducing transaction times
- Lead a culture of excellence and continuous improvement
- Ensure the [work] is aligned with strategic priorities

"Help us."

Dwayne Pinkney Senior VP for Operations and Administration 12 June 2019



IT as a Partner for Change

- We need to be seen as a partner.
 - Our language and behavior often says service provider
 - Our history in the community leads those who need help to see us as a service provider (or worse)
- Acting like a service provider leads us to say things like
 "that's not something we do."
- As a partner we might instead say
 "let's work together to figure out how to get that done."

Run, Grow, Transform?

- We tend to disproportionately invest our resources in <u>running</u>.
 - Essentially tending to ongoing operations and transactions
- Focusing too much of the time and energy of our people on ongoing operations leads to stagnation
 - We are seen as less valuable, even though we are (still) doing the all the things our stakeholders told us they needed... "what have you done for me lately?"
- If we want to have more capacity to act as full partners with our stakeholders, we must invest more in growing and <u>transforming</u>.
 - which implies we must invest less of ourselves in <u>running</u>

Capacity for Partnership

 As a <u>division</u> if we are to create the capacity for partnership and become a resource for transformation of the university, we must also transform ourselves.

- Eliminate barriers, unnecessary work flows, and duplicative/redundant efforts
- Leverage technology to automate and simplify processes
- Lead a culture of excellence and continuous improvement
- Ensure the [work] and the organizational structure is aligned with strategic
 priorities at the division level

Enabling Data-Informed Decision Making

- Traditional business intelligence relies on reporting and analysis based on highly structured and curated data warehouses.
- Data lakes are (often vast) pools of raw, semi-structured data, which can be combined and analyzed without a priori knowledge of the questions that might be asked or the answers that might be derived.

Both of these architectures will be critically important...

Enabling Data-Informed Decision Making

- Be champions for change in data governance processes that recognizes that data may be used in ways that cannot be defined until *after* access to data has been granted.
- When building and integrating systems, assume that almost any data may ultimately be useful in unexpected ways *outside* of the original application
 - Plan to make data available even when unsure of how it might be used.
 - Storage isn't free, but storage cost should not be viewed as a reason to not collect and store data.

We cannot benefit from data we do not have or cannot access.

Enabling Innovation in Process Support

- In order to leverage technology to automate and simplify processes, we must make many kinds of data and services available to applications outside of the traditional ERP.
- We'll need an architecture that reduces the cost and complexity of doing so.
 - Mobile and desktop development platform (leveraging familiar web technologies)
 - (Enterprise) Service Bus -- data and systems integration
 - API Gateway -- pluggable architecture for web APIs
 - OAuth authentication services with role/attribute-based authorization
 - supporting web, mobile, and desktop applications

The right architecture will enable us to confidently say "let's work together"...