

30 – Reporting Tools

Action Item Template Response

General Action Item Information

Lead Division/Office: Enterprise Software

Action Item Number: 30

Action Item Short Name: Reporting Tools

Dependencies with other EP Action Items: Requires Action #31, Data Modeling

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I. DESCRIBE YOUR PLANS FOR IMPLEMENTING THIS ACTION.

Indiana University's current business reporting and decision support capabilities (Business Intelligence Tools) are inadequate for meeting the customer's needs. While operational reporting needs are largely met, the existing data structures and tools do not provide the ability to perform analysis across functional areas, both in a structured format as well as in an ad-hoc nature.

Currently, the environment utilizes the following enterprise tools for report writing, ad-hoc queries, and decision support.

- Report writing: Structured Query Reporting (SQR) and open source Business Intelligence Reporting Tool (BIRT)
- Ad-hoc queries: Tool of user's choice, primarily Oracle SQL Developer, Aqua Data Studio
- Decision support: IUIE-delivered reports: IU-developed tools - data extract, BIRT report execution and delivery, SQR report execution and delivery, indexed-report viewer, frozen file viewer

A suite of tools should be delivered that will capitalize on the dimensionally-modeled data warehouse (Action #31) to include:

- Ad-hoc query
- Standard reporting
- Statistical analysis
- OLAP
- Dashboards
- Key performance indicators
- Data mining
- Business performance management

ACCOMPLISHMENTS

- Governance was established for the projects
- Several projects are underway and various stages of completion
- Setup work was done leveraging the Microsoft BI toolset
- Established a formal relationship between the BI group and the Data Stewards
- Hired staff into vacant positions with expertise consistent with the new direction

Next steps

- Continue rollout of Microsoft BI toolset and Sharepoint BI functions
- Continue data modeling
- Continue project work

II. WHAT ARE THE POLICY AND PRACTICE IMPLICATIONS OF YOUR PLANS?

Delivery of enterprise business intelligence tools will level the playing field for all users of Indiana University's Business Intelligence/Decision Support area. Because of the limited tools currently supplied at an enterprise level to departments and schools, some have purchased their own tools while others go without.

A Business Intelligence Task Force comprising leaders representing all functional areas of the University, IU Foundation, Alumni Association, and IU Medical Center has been established to oversee and guide the refinement of our existing reporting environment to an ideal BI environment, to establish executive and general institutional sponsorship and support, garner support from the user community, and maximize data utility as a University asset.

III. IDENTIFY STAKEHOLDERS.

University staff and academic administration are primary stakeholders of this effort, which is led by a Business Intelligence Task Force:

Pull in table from Action 30 in Confluence