

ISIS-NBP

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Conceived in 2007 and currently under heavy development, ISIS-NBP is a bold step towards invigorating ISIS software foundations.

The main challenge of ISIS-NBP is to conciliate technology modernization with backward compatibility. From the early designs of ISIS-NBP we have considered that to be successful this project must be a platform evolution, grounded in a smooth migration path.

However, there are other import goals. To enumerate a few: overcome ISIS limitations in storage capacity and expressiveness, add full Unicode support, facilitate software maintenance, scale to meet the needs from small users to large data providers, ease the coupling towards digital libraries and external software systems.

Most importantly, ISIS-NBP is a **platform** to develop applications, it is not an application itself.

Therefore, it should be understood as an infra-structure or framework, upon which ISIS developers can use to develop modern and wishfully better applications to meet end users demands.

In this presentation we plan to give a comprehensive introduction to the ISIS-NBP Project. The outline of the presentation consists in the project history, short term and long term goals, architecture, structural concepts, development methodology and infra-structure, project status and future steps. We conclude the presentation with a live-action demonstration of the ISIS-NBP Cell.