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Designing agile digital transformation with BS2000

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Today business enterprises and organizations are striving to increase their competitiveness through the intelligent use of data – and digital transformation is key to achieving this goal. Applications and data on mainframes are extremely valuable resources when it comes to realizing data-driven transformation. Businesses of all kinds, along with the public administration sector, are leveraging these resources to develop new products and services – for example, in the manufacturing and logistics sectors – to optimize revenue, whereby public agencies are focused on making citizen services more effective and efficient. To achieve such goals, modern mainframes need to be included in hybrid IT infrastructures and seamlessly integrated in the digital ecosystems of enterprises and organizations. Fujitsu makes this possible by constantly innovating its BS2000 portfolio. One important aspect of this continuous innovation has been the agile approach taken during further development – this will be continued in the future delivery and deployment of BS2000 software.

Fast-paced innovation makes BS2000 customers more innovative

Business challenges are now so extensive and changing so quickly that only constant innovation can help users cope. Fujitsu's agile further development and deployment of BS2000 software address this issue and ensure that innovative software functions are delivered rapidly, transparently and efficiently. In mid-2021, we will make software available via current change statuses (bundled semiannually) in the form of service packs, along with the current service packs and documentation, on the BS2000 manual server and on our websites. The software can then be offered as complete or delta delivery packages, with the latest versions featuring mostly automatic installation. Customers can also use the proven BS2000 System Health Check to determine the currency of their installed software.

This new approach ensures high levels of efficiency when it comes to long-term support and assured compatibility. And, by the way: This software development process – based on business dynamics – is reflected in the new operating system name: BS2000 OS DX (with "DX" standing for digital transformation).

Taking mainframe operations to a new level – holistically

Our agile BS2000 development is central to ensuring that our BS2000 customers always have the very latest technology. But that is by no means the only benefit. Agile development also rounds off our strategy for providing an innovative mainframe infrastructure comprised of hardware, software and services. This is all based on the FUJITSU Server BS2000 SE Series, with its advanced architecture for running mainframe, Linux, and Windows applications, not to mention those in virtualized environments, in line with proven BS2000 operations concepts. And if BS2000 customers want to get their business-critical mainframe applications in shape for the future, their BS2000 environment morphs into an agile/DevOps platform that enables innovations at the same speed as other server platforms.

Right now the modernization of legacy applications written in languages such as COBOL, RPG or Transact is a major challenge. However, progress is being made. PROGRESSION is an automated solution from Fujitsu for modernizing legacy applications. The result is a 1-to-1 migrated source code (in Java or C#) which can be reliably read and maintained. What's more, once the migration is completed, customers still own the source code, enabling them to constantly maintain and modernize the applications themselves. We actively guide customers through the modernization process on the basis of our agile approach. Fujitsu xALM supports the DevOps process and provides an integrated tool set for the efficient realization and management of agile projects and services.

The holistic modernization of mainframe environments pays off in many ways. Since most enterprise customers have critical infrastructures, they can meet the high demands of relevance to operational quality and stability. They are also able to sustainably support their digital transformation strategy – an ultramodern mainframe environment gives them an especially robust basis for deploying new technologies such as blockchain, IoT or artificial intelligence. Our broad integrated solutions portfolio for data center management and automation additionally boosts the efficiency, flexibility and reliability of the entire data center thanks to a combination of artificial intelligence and automation.

And finally, innovations also help compensate for a lack of expertise, which is especially acute in the mainframe sector because experienced employees with valuable know-how are reaching retirement age. It goes without saying that an ultramodern mainframe environment can be an attractive workplace for young IT professionals. Our Fujitsu Academy Central Europe promotes the education and training of IT specialists at all levels, whereby our goal is to make sure that know-how is available for the long term, while also opening up attractive career opportunities in mainframe and data center technologies.

Achieving more together

There is no doubt about it: You can conduct agile digital transformation with BS2000 – but what is the best way of achieving success? The Fujitsu Enterprise Platform Services (EPS) Team is ready to help you as a trustworthy partner with a clear roadmap and comprehensive know-how. Be sure to have our mainframe specialists – for example, from EPS Co-Creation

Projects – on board early and profit from years of experience and unique design thinking methods when planning your digital transformation journey.