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The Digital Transformation Challenge

Delivering with minimal time, risk and cost

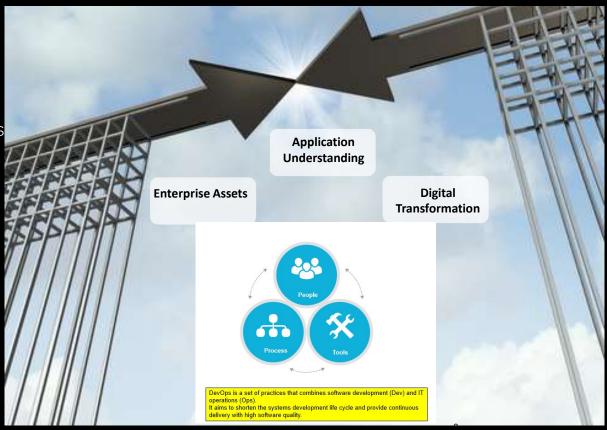
Clients are challenged in modifying their aging business-critical applications

Changes often rely on manual analysis and are therefore error-prone, relying on few employees with domain expertise

Applications are often poorly documented, resulting in increased risk and effort

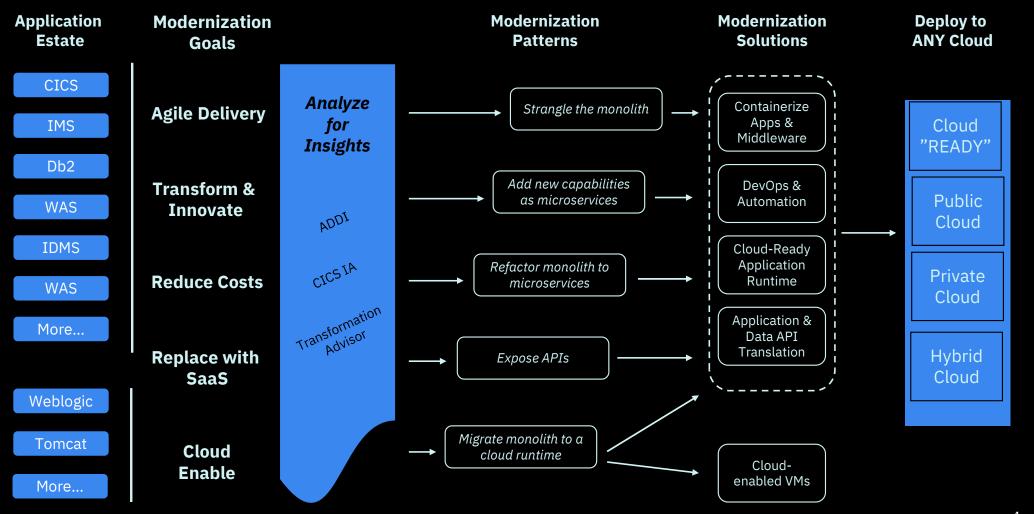
Sizing change effort is difficult if the understanding of business-critical applications is limited

Ramping up new hires to work effectively with business-critical applications is often lengthy

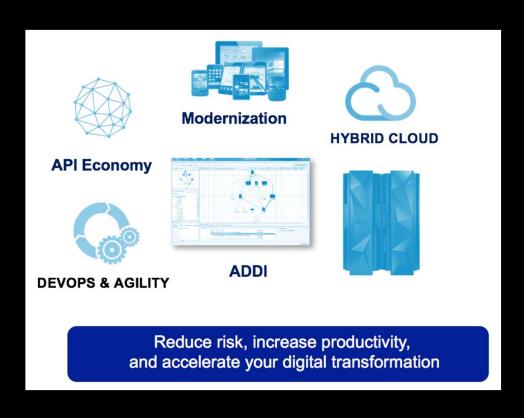


TRM.

Assessing the applications & solutions for modernization



Unlock the value of existing assets

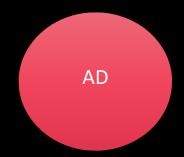


- Rapidly analyze and visualize relationships between application components, data, and jobs to make changes safely and efficiently
- Reduce risk by reusing current assets and understanding impacts of potential changes
- Increase productivity by automating documentation, enabling new workers to be effective in a fraction of the time, and optimizing tests
- Accelerate your digital transformation by rapidly identifying candidates and ensuring integrity of APIs



What is ADDI (today) <u>Application Discovery and Delivery Intelligence</u>

Production Level



Static Graphical and textual Application Understanding -Visualization of Dependencies, Flows, Usage and Impacts

Developer/test



ADDI

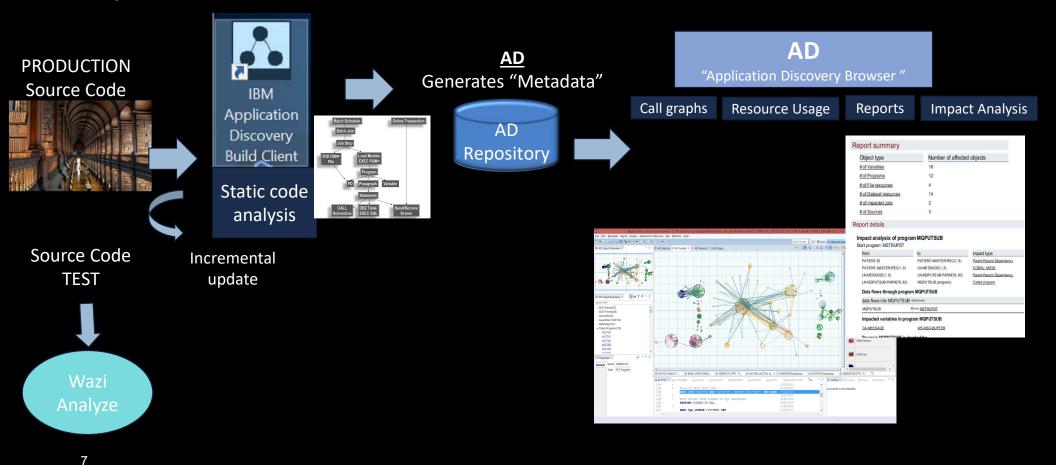
A containerized component that creates rapid, graphical "Developer Repository Level" analysis in an installation-free and configuration-free web UI based on a repository.

Cognitive DevOps and Continuous Modernization for the Digital Transformation



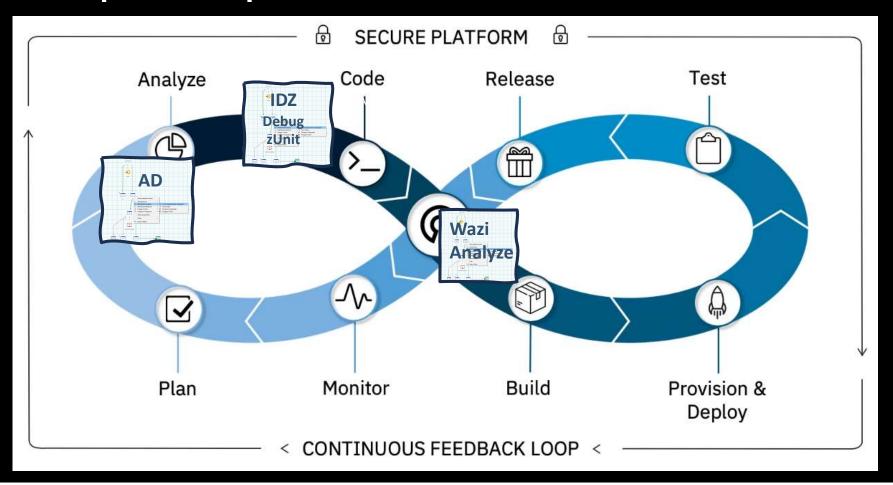
AD and ADDI Extensions "ADDI helps you focus brain power on the business challenges rather than

memorizing code"



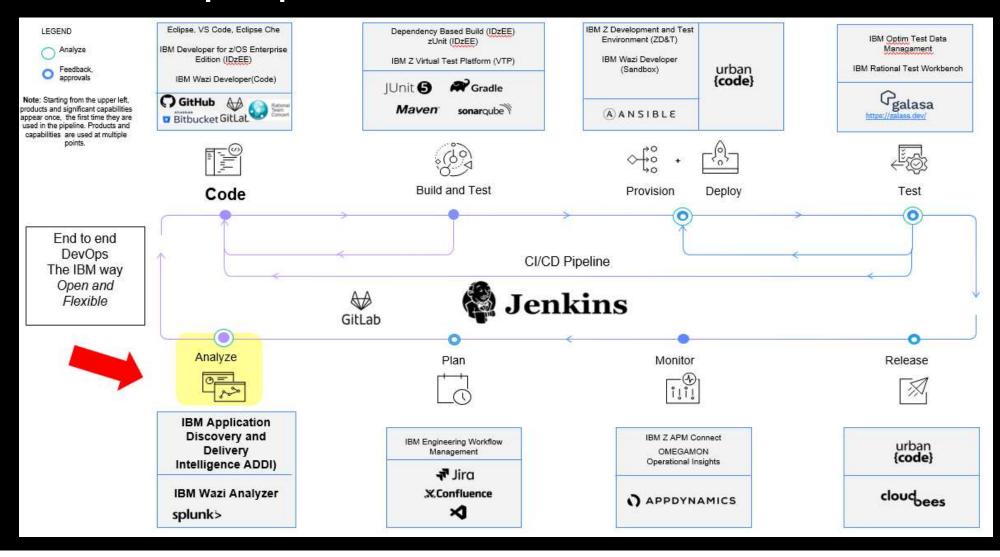


DevOps Loop



Z DevOps Pipeline







Application Discovery Business Value overview





Key features added to ADDI

Analysis features:

- ✓ Java Analysis
- ✓ Cross Project Analysis
- ✓ Control-M Analysis
- ✓ Hogan Analysis
- ✓ New Extensibility Support
- Git Migration Aid
- Assembler Macro Support

User experience improvements:

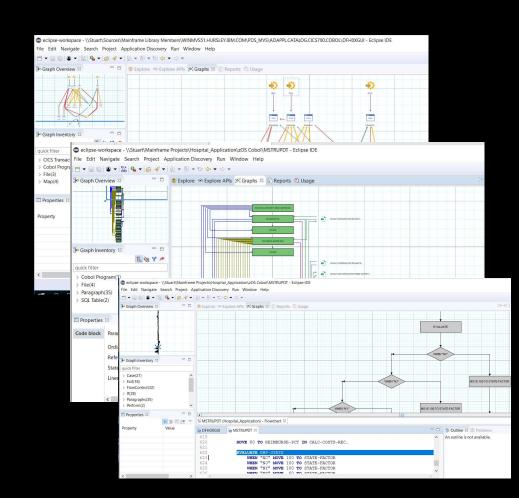
- ✓ LDAP login and enhanced security
- ✓ Build/Make performance improvements
- ✓ AD Repository on Db2 LUW
- ✓ Light-weight Web UI
- ✓ Audit
- Monitor licensing
- ✓ Monitor ADDI components
- ✓ Quick wizard configuration



Unlock value

Analyze and visualize relationships between application components, data and jobs

- Understand the structure of your business-critical applications across languages and environments
- Reduce risk and time and increase quality of changes through visual impact analysis integrated with your IDE
- Synchronize with latest changes in your source code management systems for a single source of truth

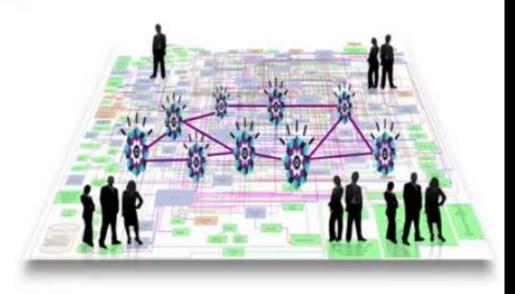




Empower developers

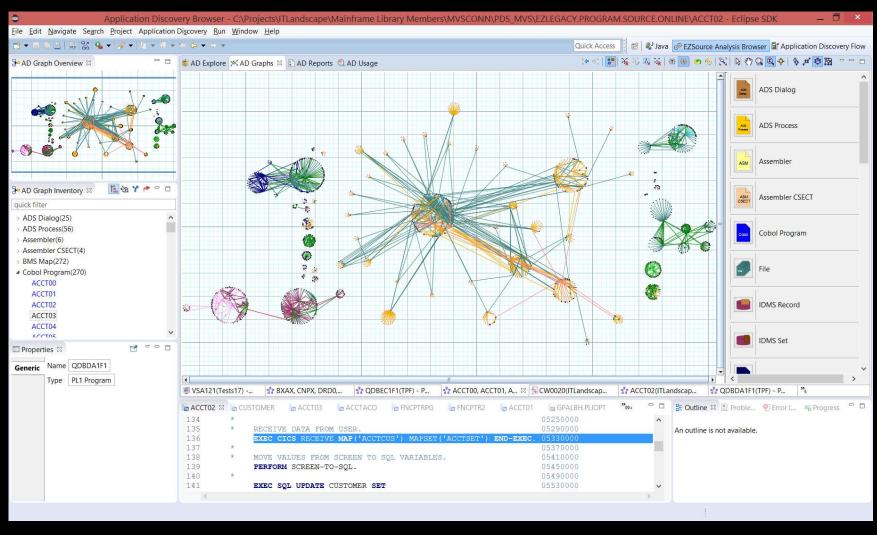
Automate documentation, enable on-demand understanding, and aid sizing of change efforts

- Accelerate knowledge transfer through accurate, automated and on-demand documentation
- Rapidly size change effort through insightful root cause analysis
- Aid new team members through comprehensive, accurate and consumable application analysis within the IDE



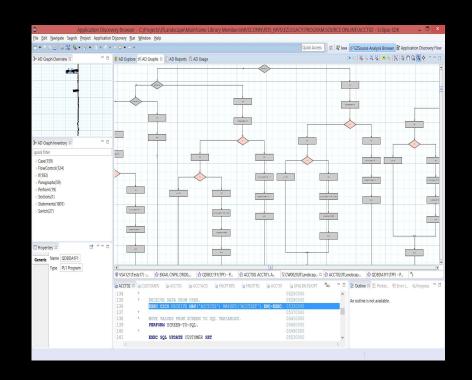
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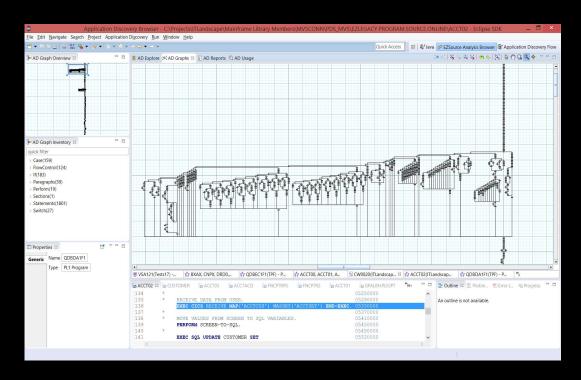
AD analysis: Top clustering view - API candidate discovery





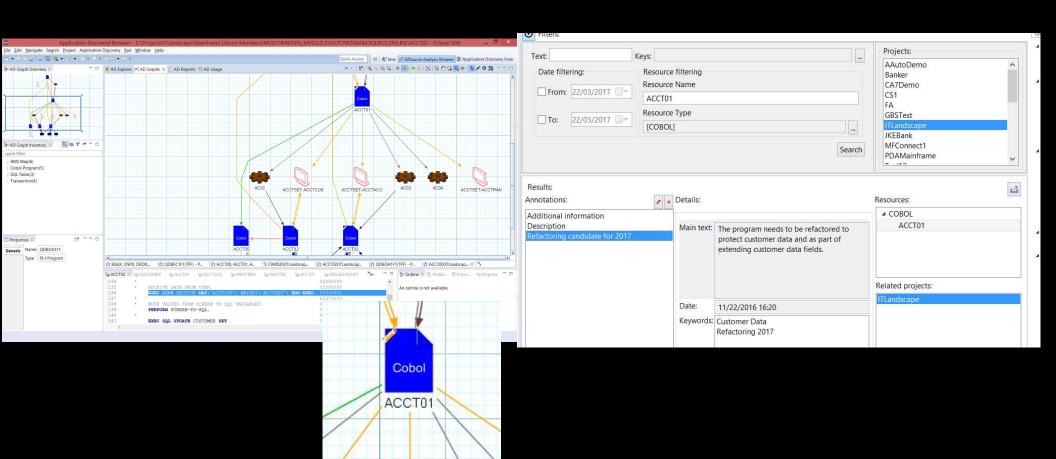
AD analysis: Down to statement flow chart level analysis





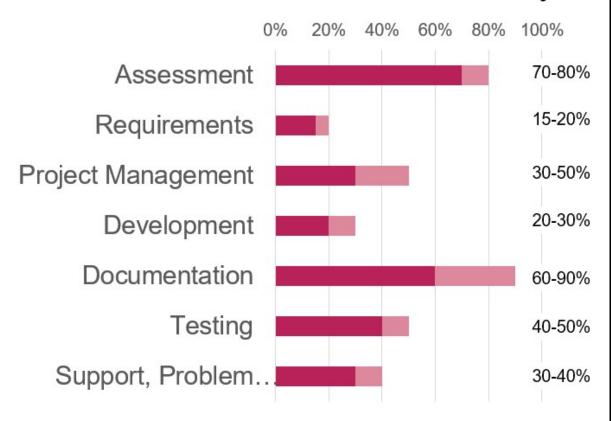


AD analysis: Annotations and application knowledge database





Clients have experienced measurable Benefits in Productivity



^{*} Based on analyst's validation of client surveys for typical activity improvement



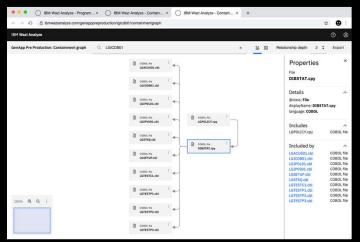


Wazi Analyze

Containerized rapid analysis tool to discover and understand relationships

between z/OS application components

- Fast, local application analysis in a web UI
- Understand relationships between application components to analyze the impact of changes
- Runs in Docker environment on developer's machine
- Graph or table view of the program call structure and of the relationships between programs and copybooks in an application

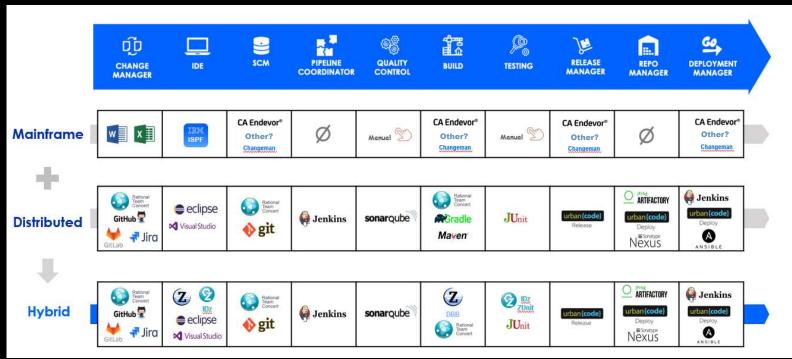


Individual developers can now use Wazi Analyze to quickly assess relationships between the programs in the application in their assigned project

Architecture team can use broader ADDI capabilities to analyze applications and common components across many projects.

DevOps What's next

- The right tools for multi-stream, continuous integration / delivery do not all exist in the mainframe world.
- Existing Library Managers do not allow **full parallel development.**
- Access to Open Source tools to reduce **total cost of ownership** (TCO) in z / OS remains difficult.
- Open source tools like GIT, Jenkins and Artifactory are becoming the **de facto standard** for powering Continuous Delivery in the enterprise.
- Traditional "Library Managers" in mainframe are expensive: why not take advantage of Open Source solutions which bring both cost saving and increased agility?
- Must take into account certain specifics of the z / OS environment, particularly **build techniques**.



Take the next steps on your digital transformation journey

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Thank you!

Please contact me if you have additional questions

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NO installation required