Roadmap Disclaimer

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The published roadmap is NOT A COMMITMENT FOR DELIVERY but rather a forward looking view to communicate the product directions and plans
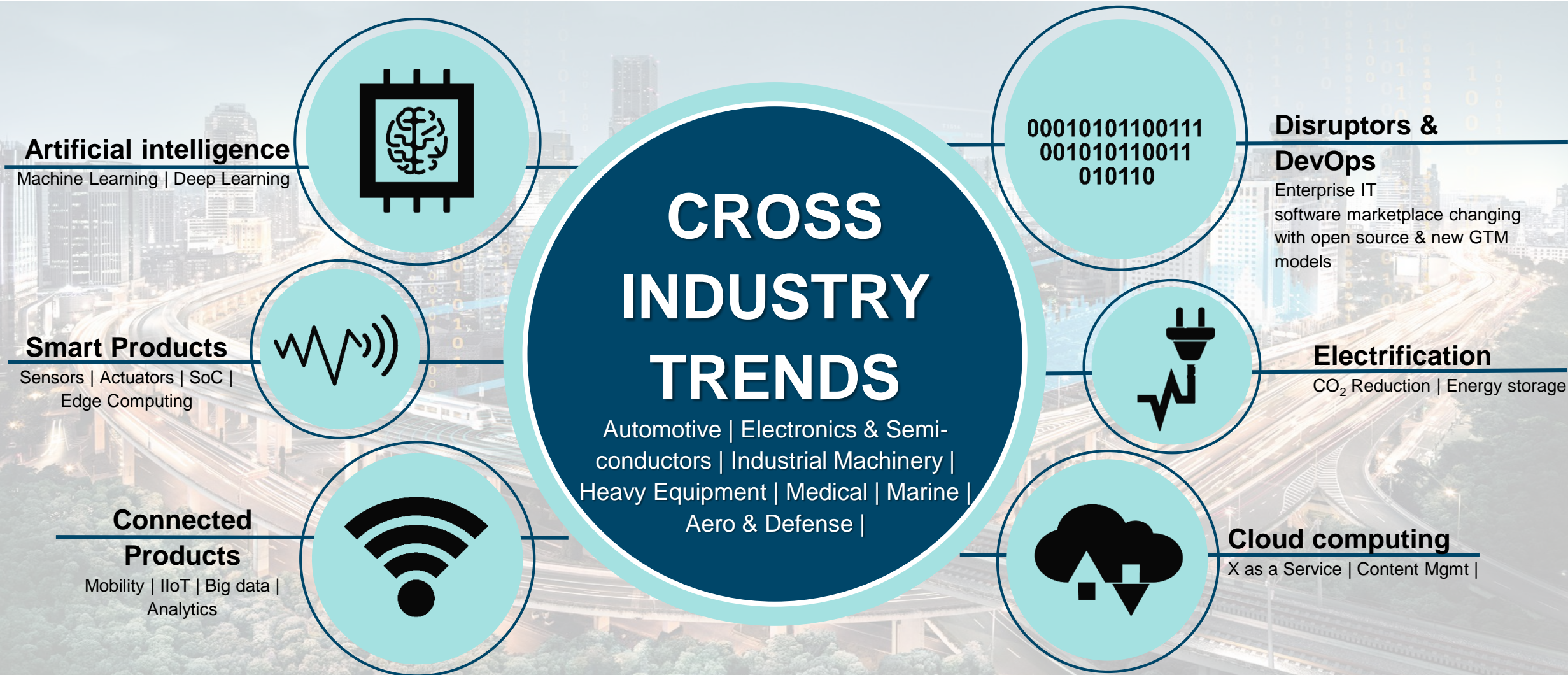
- The products organization reserves the **right to adjust the roadmap** at any time and in any way
  - as refinements to the requirements and costs are better understood
  - to accommodate changing priorities, technologies, and commitments
- When a customer requires a commitment for a future deliverable, there is a formal **commitment request process**
  - This process requires that a specification is agreed upon between the requesting party and the products organization along with an approval process that considers the assesses the risk of making the commitment to the overall plans and roadmap

- This document is intended to provide a broad and hi-level overview of the key solutions and themes for upcoming Polarion releases. It is NOT intended to be a replacement for the Release Notes or detailed enhancements in various releases of Polarion.

What is ALM
Software lifecycle for cyber-physical systems

Polarion ALM helps you to **Define, Deliver, Verify** and **Maintain** any **software solution** interacting with **physical hardware**

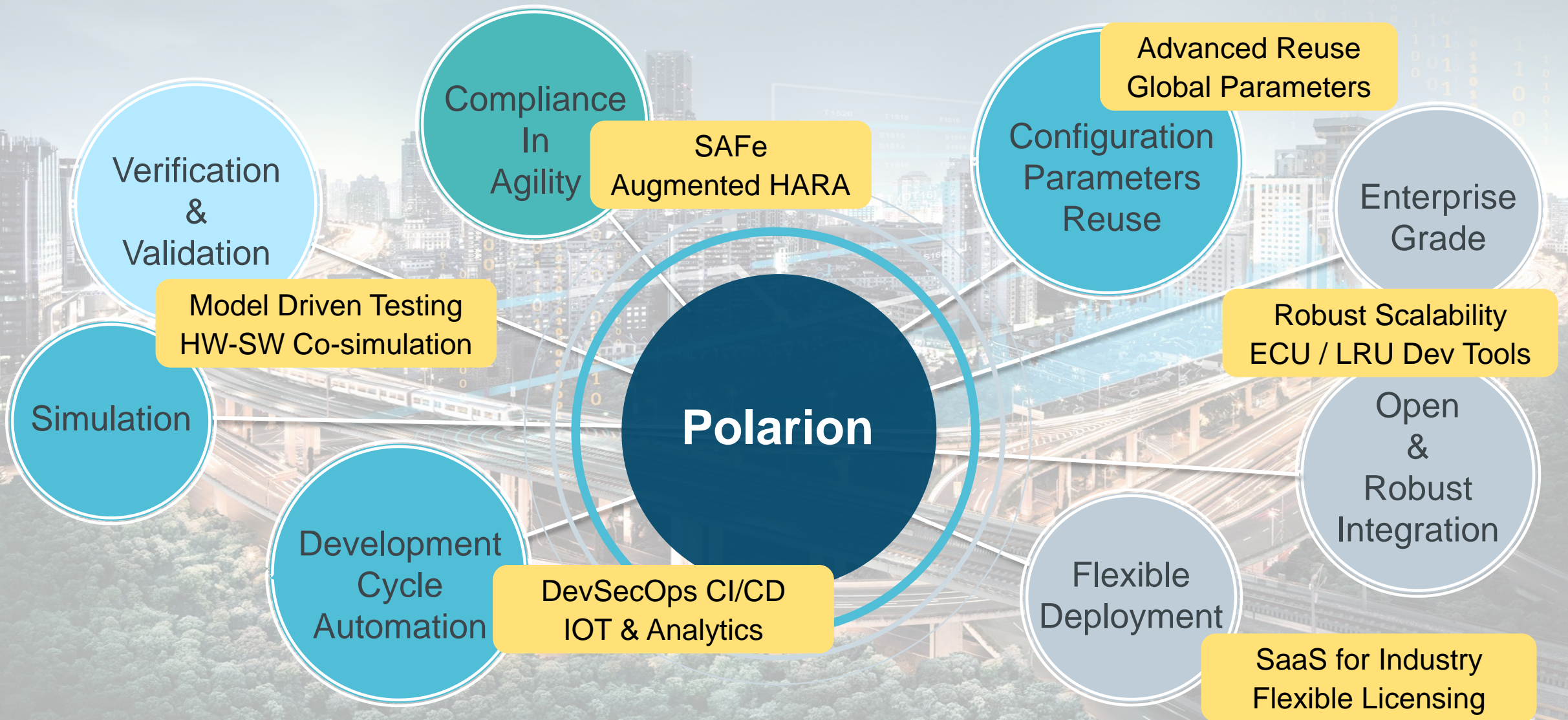**Software** characteristics

- Agile
- Complex & Integrated
- DevOps Built
- Safety-critical
- Verified & Validated

Polarion solutions

- Out-of-box SAFe Support
- Advanced Reuse
- Integrated DevOps Pipeline
- Traceability and Auditing
- Verification Automation
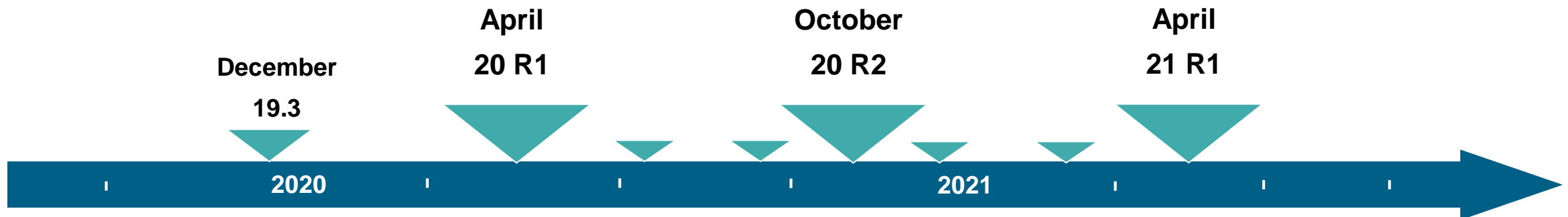
Longer Term Vision Goals
2019 - 2022

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Polarion

Verification & Validation

Compliance In Agility

SAFe Augmented HARA

Advanced Reuse Global Parameters

Configuration Parameters Reuse

Enterprise Grade

Model Driven Testing HW-SW Co-simulation

Robust Scalability ECU / LRU Dev Tools

Simulation

Open & Robust Integration

Development Cycle Automation

DevSecOps CI/CD IOT & Analytics

Flexible Deployment

SaaS for Industry Flexible Licensing

Polarion 21
Release Schedule

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Polarion Release Schedule

- Polarion 19.3   December 2019
- Polarion 20 R1   April 2020
- Polarion 20 R2   October 2020
- Polarion 21 R1   April 2021

- *Two major feature releases every year*
- *Cummulative patches for latest major release up to monthly cadence*
- *Early Access Programme allows the customers to try new features*

December **19.3** | April **20 R1** | October **20 R2** | April **21 R1**

2020   2021

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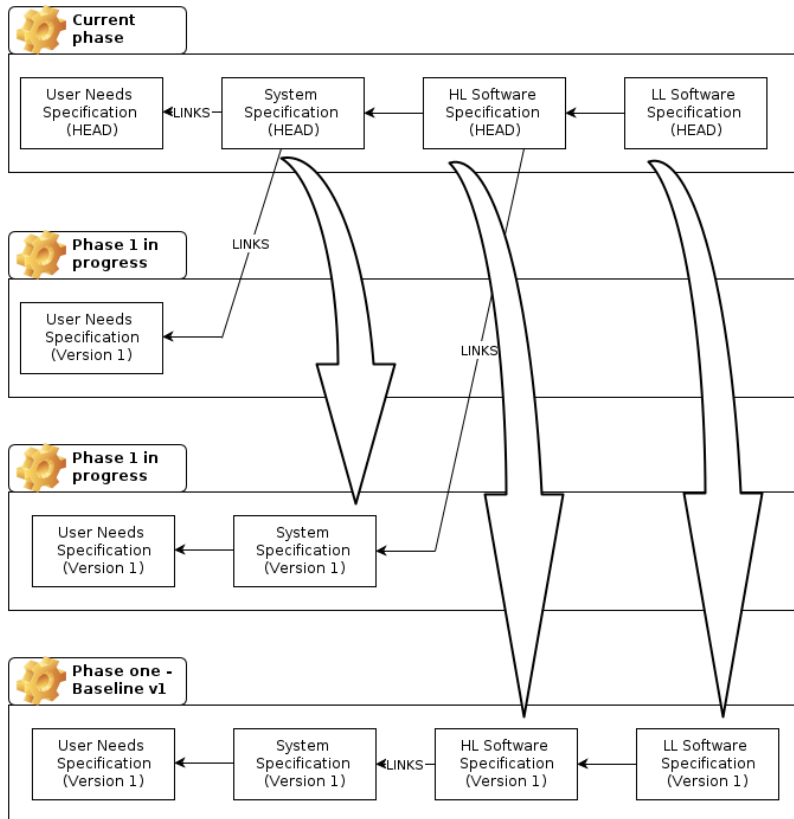*Ingenuity for life*
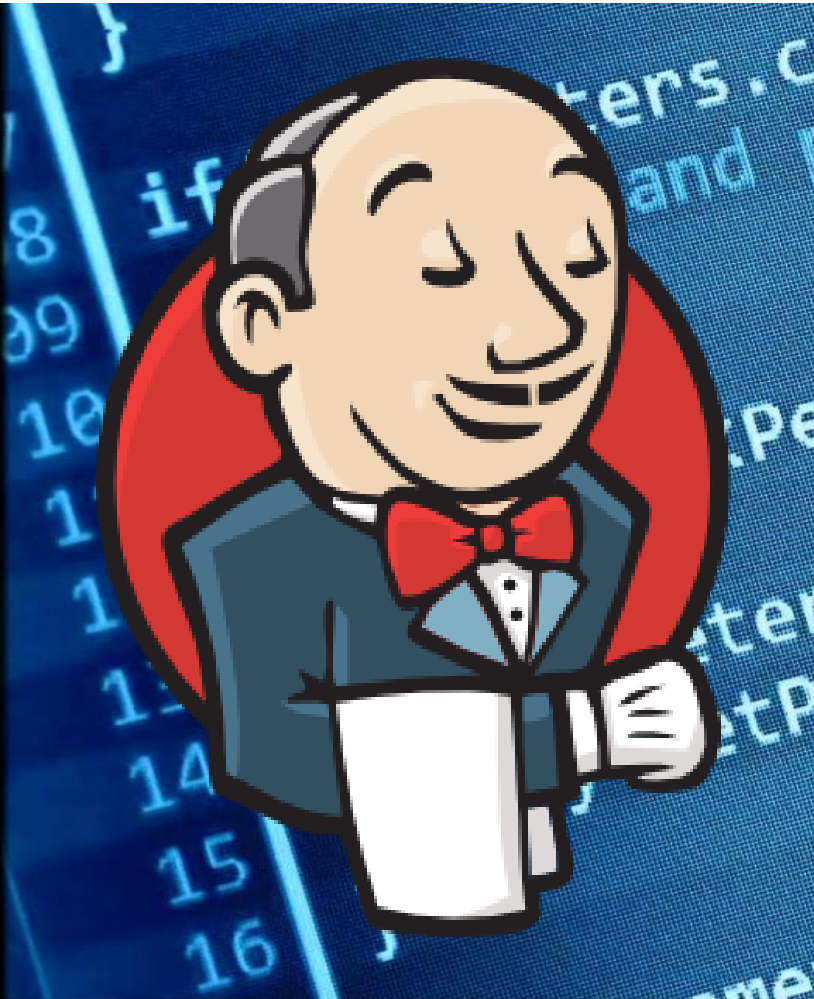
Accelerate innovation through continuous delivery

- Seamless integration with continuous integration tools

- Enable the ALM traceability into pipelines and build results by tight integration to Jenkins CI

- Provide robust infrastructure and APIs to integrate with other CI tools

Simplify managing and reusing of complete project definition

- Collect set of specifications is specific versions that are relevant for a project for easy and consistent scope definition
- Simplify parallel development of different product versions through collection-specific views and traceablity
- Identify and propagate changes easily between different baseline collections consistently throughout the whole set of documents

Enterprise Boost
Polarion 20 R1– Large Data

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We keep it fast, while your data grow exponentially
- Faster LiveDoc compare on big documents
- Improved scalability of Polarion cluster
- Reduced memory consumption to ensure consitent performance for high number of concurrent users
- Faster and more scalable historical search and baseline operations
- Query limiting to prevent users from overloading server by excessive requests
- Speed-up the indexing of history data to limit system load
- Speed-up reindex to limit downtime during upgrades or crashes
- Asynchronous execution of custom form extensions for faster access of Polarion data

Enterprise Boost
Polarion 20 R1 – Enterprise Administration

Simplify management of access rights and permissions by introducing user groups

- Group users according to their business role to ensure consistent level of access
- Automatically import group membership from LDAP for new users as they login for the first time
- Manage all group assignments for a user in a single source of truth that is common for all company's systems

Cloud
Polarion 20 R1 - Cloud-ready

Strenghten security to SaaS industry standards
- Cross-site request forgery protection
- Digitally signed SAML single sign-on requests
- Independent 3rd party penetration test and SOC2 certification

Automated deployment through containers
- Fully automated installation and update of Polarion via Kuberenets cluster and Dockers

New Polarion trial
- Redesigned trial exeperience for evaluation teams

Enhancements
Polarion 20 R1

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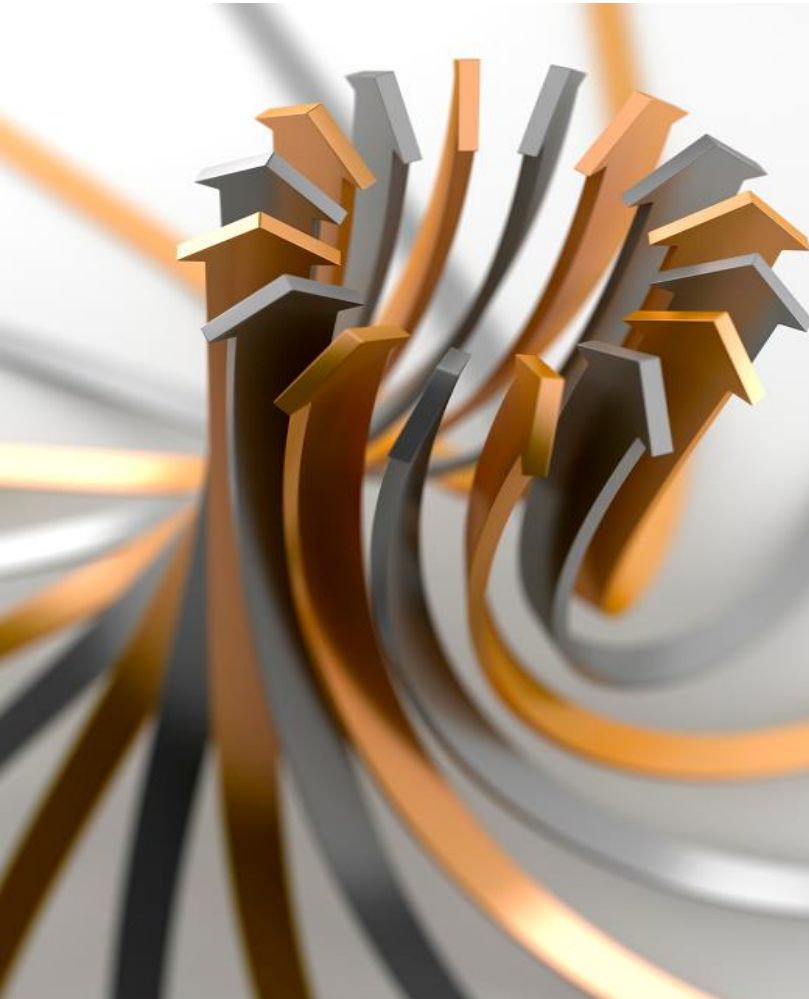
User Experience Improvements

- Multi-select support for Live Report parameters

- Multi-select support for Work Items table configuration

- Export of Work Item selection from table view

- Display changes in string fields as diff

- Re-order enumerations by drag & drop

Popular Enhancements

- Configurable default for MyPolarion personal dashboard

Integrations
Polarion 20 R1- Core Integrations

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TFS Connector Ehnancements

- Support synchronizing hyperlinks between TFS and Polarion
- Automatically create hyperlink to TFS for synchronized items

Jira Connector

- Two-factor authnetication via mutual TLS authentication

Windchill and Enovia Integrations

- Traceability and process orchestration with additional PLM tools

Polarion 20 R2 – Orchestrate Repository Lifecycle

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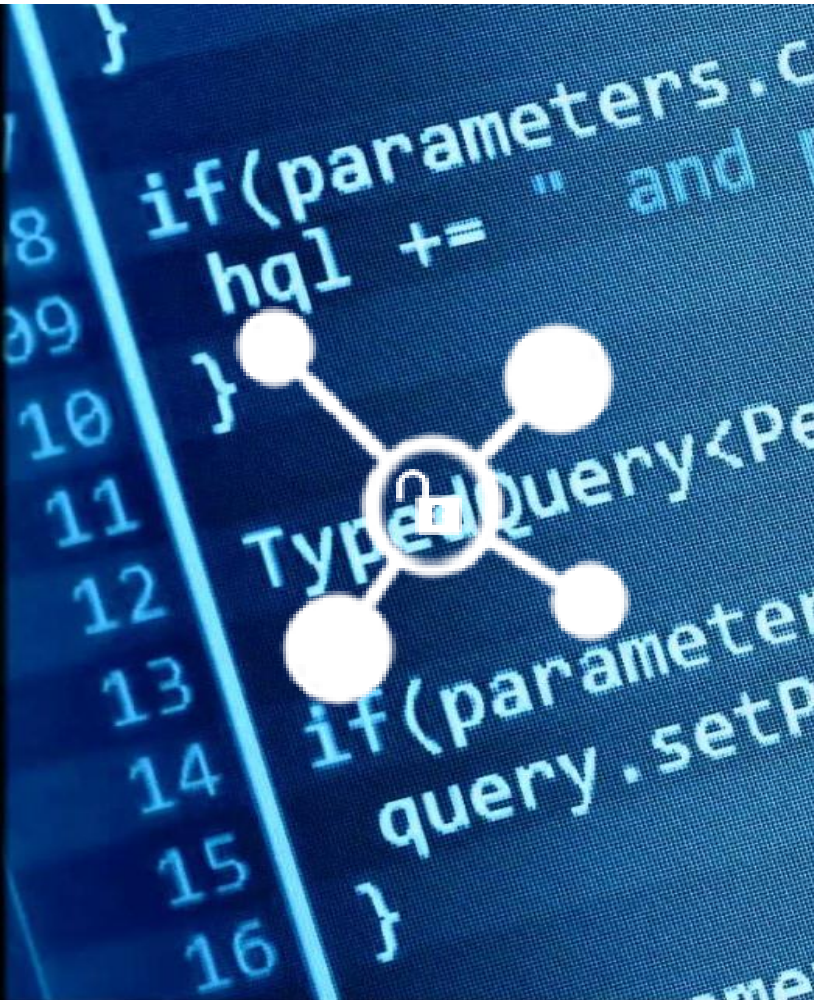
Orchestrate the lifecycle and configuration of external repositories

- Native traceability to git repositories in GitLab and BitBucket

- Reduce administration overhead for external repository management by unifying user management

- Easily setup Git, GitLab, GitHub, BitBucket or Subversion source code repositories when creating a new Polarion project

- Seamlessly integrate with any other 3rd party repository by easy to use API

Advanced Reuse
Polarion 21 R1 – Occurrences with context-specific metadata

Reuse content while maintaining easy traceability by adding context-specific metadata

- Reuse requirements and test case content from library and add metadata that is specific to a product or project for easy traceability
- Easily trace and find all requirements in context of your project, both project-specific and reused from master
- Create context-specific tracelinks between reused and newly added requirements
- Unify Derived and Branched document concepts to provide one easy and robust reuse solution

Enterprise Boost
Polarion 21 R1– Enterprise Realiability and Scalability

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We keep it fast, while your data grow exponentially
- Natively scalable and cluster-wide indexing service with enhanced scalability, realiability and reduced HW footprint
- Cluster-wide database service with reduced HW footprint
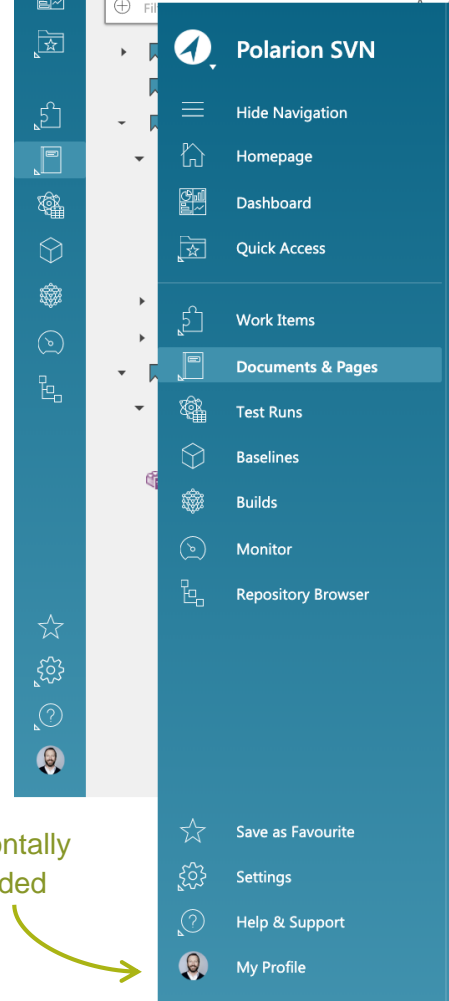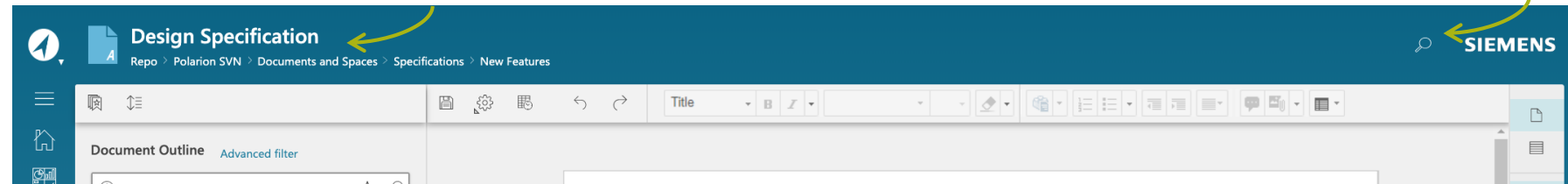- Easy backup and recovery of Polarion indexes to minimize downtime

Enterprise-ready licensing
- Support flexible licensing models with combinations of perpetual and term licenses
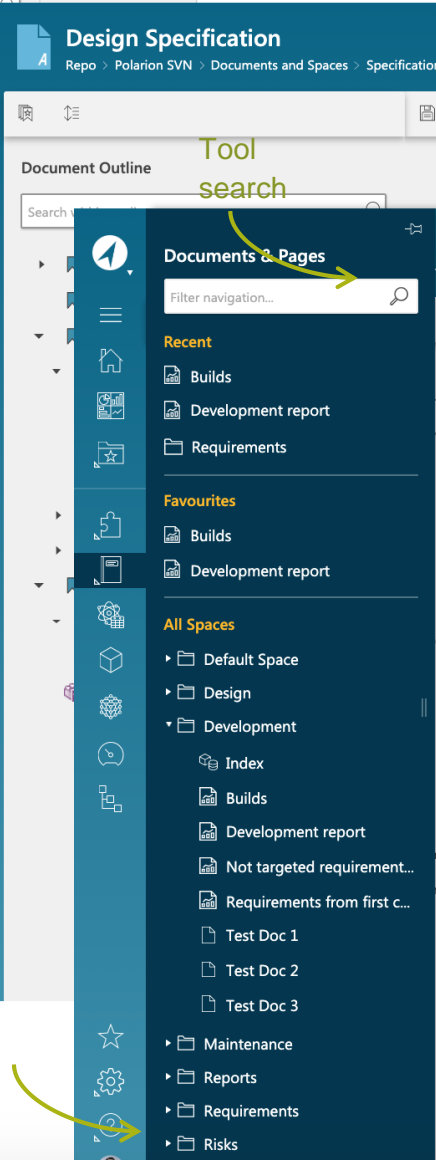- License usage monitoring aligned with industry standard

Header navigation

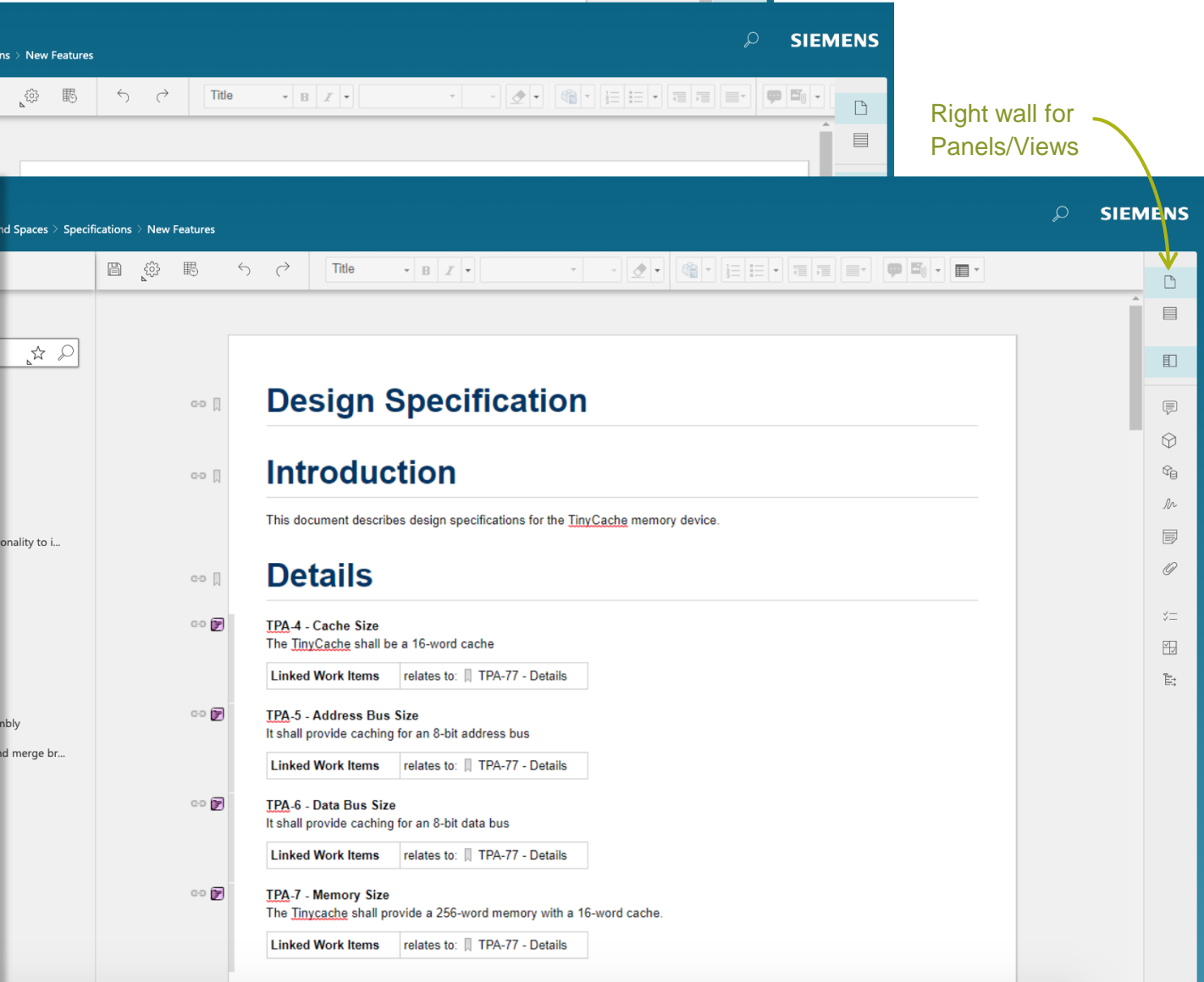Global search

Minimal navigation

Design Specification

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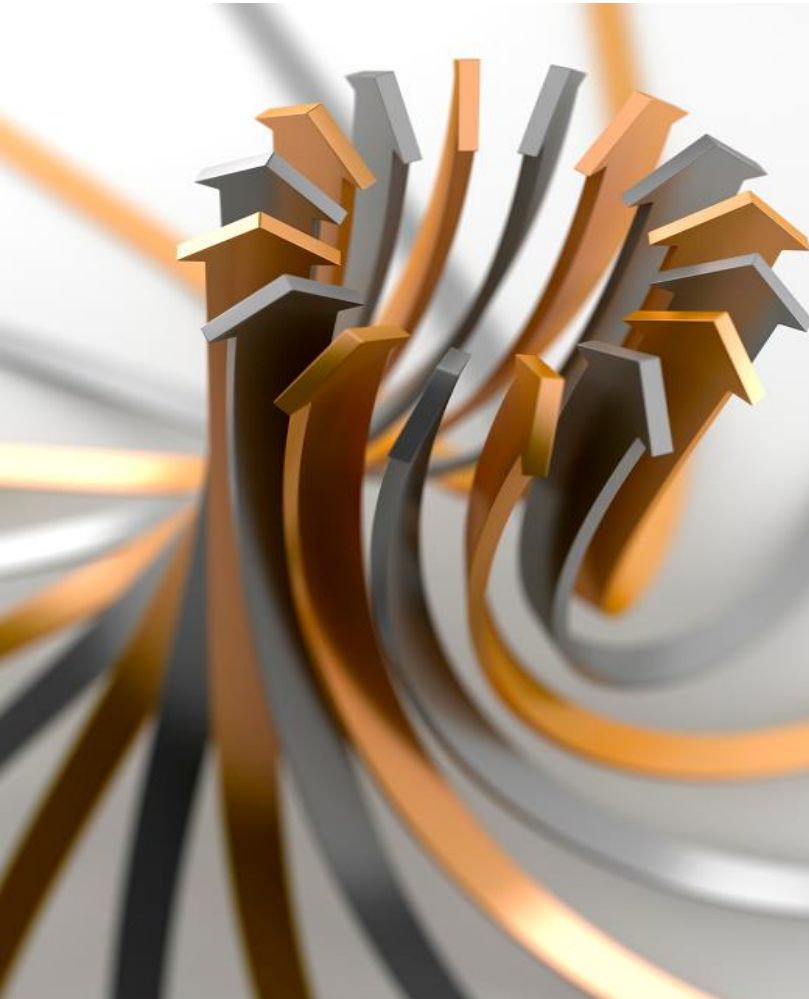
Document Outline   Advanced filter

Fil...

Polarion SVN

Hide Navigation

Homepage

Dashboard

Quick Access

Work Items

Documents & Pages

Test Runs

Baselines

Builds

Monitor

Repository Browser

Save as Favourite

Settings

Help & Support

My Profile

Horizontally expanded

Design Specification

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Document Outline

Search...

Tool search

Right wall for Panels/Views

Documents & Pages

Filter navigation...

Recent

Builds

Development report

Requirements

Favourites

Builds

Development report

All Spaces

Default Space

Design

Development

Index

Builds

Development report

Not targeted requirement...

Requirements from first c...

Test Doc 1

Test Doc 2

Test Doc 3

Maintenance

Reports

Requirements

Risks

Tool focus

...nd Spaces > Specifications > New Features

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Title

Design Specification

Introduction

This document describes design specifications for the TinyCache memory device.

Details

TPA-4 - Cache Size
The TinyCache shall be a 16-word cache

Linked Work Items   relates to: TPA-77 - Details

TPA-5 - Address Bus Size
It shall provide caching for an 8-bit address bus

Linked Work Items   relates to: TPA-77 - Details

TPA-6 - Data Bus Size
It shall provide caching for an 8-bit data bus

Linked Work Items   relates to: TPA-77 - Details

TPA-7 - Memory Size
The Tinycache shall provide a 256-word memory with a 16-word cache.

Linked Work Items   relates to: TPA-77 - Details

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ReqIF Import Ehnancements

- Auto-mapping of synchronized fields for quick and easy import configuration

- Improve compatbility with IBM DOORS

DOORS Connector

- Auto-mapping of synchronized fields for straightfoward configuration

Polarion 21+
Roadmap Theme Candidates

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Advanced reuse

Requirements parametrization

Embedded

Model-based software requirements and design

Collaboration

Seamless collaboration on LiveDocs

Quality

Early verification of requirements via simulation

Integrations

CI/CD, Testing, Modelling

Thank You

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