entando⁵

ENTANDO 5.0.0
TECHNICAL RELEASE NOTES

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RELEASE NOTES

This document contains release notes for Entando 5.0.

PREFACE

These release notes highlight new features in Entando 5.0, list features that are in technical preview, and include any known issues.

GOAL OF ENTANDO 5

The goal of Entando 5.0 is to fully engage our platform with the Modern Applications revolution by designing for a cloud-based infrastructure, adapting our architecture to be more distributed, and fully supporting DevOps methodologies.

ABOUT ENTANDO 5

Entando 5 represents a fundamental update to the Entando infrastructure to support modern application development processes including: new options for clustering, cloud native deployment, out of the box support for deploying apps in OpenShift, new UI technologies, and an updated widget development process.

These release notes provide a technical introduction to the changes included in Entando 5. Check out our Installation guide, Getting Started guide, or our blog for examples and more on putting Entando 5 to work.

WHAT'S NEW WITH ENTANDO 5

Infrastructure

- Hybrid hosting environment

  * Entando 5 supports deployment in both public and private cloud configurations including deployment using Docker and OpenShift

- Cloud native clustering using a JSR 107 compliant cache for scaling in the cloud

  * This release introduce the ability to back an installation of the micro-engine with a JSR 107 cache for multi node HA configuration

  * A reference implementation using Infinispan is provided in the entando-components project

- Container deployment

  *   Deploy directly to OpenShift using images published to the Red Hat catalog

  *   Deploy using Docker images provided on DockerHub

  *   Install an Entando project using provided s2i Docker images

- New public facing REST APIs

  *   Entando 5 exposes a new set of REST APIs for interacting with App Builder assets

- Decoupled application builder and micro engine for updated deployment options

  *   This release decouples the application builder front end from the Entando engine allowing the engine and App Builder to be deployed separately. The updated application builder is a ReactJS based application that uses REST APIs and can be deployed and managed separately from the micro-engine

- Upgrade to Spring 5

  *   The Entando core has been updated to Spring 5.0.5

- Upgrade to Apache-cxf 3.0.4

Processes

- Supports DevOps processes

  *   First class support for deploying Entando projects on Docker and OpenShift

  *   New archetypes to deploy to OpenShift and Docker using Fabric8

  *   Created Docker base images for quick extension and deployment

- Manage full CI/CD life cycle

  *   Created reference implementation of Entando Docker images in Jenkins to create, deploy, and manage an application built using Entando in a CI/CD environment

- Decoupled CMS from micro-engine

  *   The CMS capability available in Entando 4.3.2 has been decoupled from the core micro-engine implementation and will be available as a plugin to Entando 5 in a future release

- New component development experience

  *   The Entando Component Generator (formerly edo) has been updated to use a configuration file to more easily select different types of components to generate

Security updates

We have performed security scans as part of the Entando 5 software release to ensure that we are using secure libraries and practicing secure coding practices within our application. We continue to use automated tools and manual security reviews to monitor and evaluate the security of the Entando platform. Noteable updates include:

* Various library version upgrades to match OWASP security scan results at time of release

* Software updates to support SonarQube security scans and improve software security

KNOWN ISSUES

- The ability to associate attributes with User Profiles is not implemented in the decoupled App Builder.

  * Workaround: use the legacy application screens to add attributes to user profiles

  * Anticipated fix in first patch release

- Manually editing and saving Data Types and Data Models in the decoupled Appbuilder has errors

  * Workaround: use the legacy application screens to edit Data Types

  * Anticipated fix in future patch release

- If a user moves the homepage to a child of itself in the page tree it can result in browser and application stability problems

  * Anticipated fix in future patch release

- The PAM Datatable and Task List widgets only function in the legacy App Builder

Versioning info

Jars and artifacts included in this release:

ARTIFACT	VERSION
Version entando-core	5.0.0
entando-archetypes	5.0.0
entando-ux-packages	5.0.0
entando-vfs-manager	5.0.0
app-builder	5.0.0
micro-engine-admin	5.0.0

SOFTWARE REQUIREMENTS

- Java 1.8+

- npm 5.6.0+ (for ReactJS front ends)

- Maven 3.0.5+

- Ant 1.8.0+

LEGAL NOTICE

- LGPL v2.1 License for the Core

- MIT License for the components

Explore the code on GitHub: https://github.com/entando

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