Edge Insights for Industrial 2.5

Release Notes

27 May 2021

Version History/Revision History

These are the main releases of Edge Insights for Industrial:

Date	Revision	Description
27 May 2021	2.5	Release notes for the EII v2.5 candidate

Intended Audience

The intended audience for this release notes is:

- End users

- System integrators

- Validation team

Customer Support

For support contact Weng Wai, Chin <weng.wai.chin@intel.com>.

Contents:

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1 Introduction

Edge Insights for Industrial v2.5 is Intel's smart factory solution for doing defect inspections in factories. This is the version of a scalable architecture, which can be customized by system integrators for various defect inspection use-cases in factories.

This document provides system requirements, installation instructions, issues and limitations, and legal information.

To learn more about this product, see:

- New features listed in the [New in this Release](#) section below, or in the help.
- Reference documentation listed in the [Related Documentation](#) section below
- Installation instructions can be found at: README.md file with the source code.

2 New in This Release

Base Features of v2.5

- UX/DX Improvements
  - Enable Volume mount for UDFs.
  - eis_builder to auto-create multi-instance boilerplate configurations.
  - Small Analytics size
  - Pylon viewer export settings.
  - Option to Disable Bounding box in Both Visualizer.
- Benchmarking Code Release in EII
  - Release Video Ingest Benchmarking
  - Release Time series Ingest Benchmarking.
- Kubernetes orchestrator enablement
  - Single node deployment
  - Multi-node deployment
- Revamp Configuration APIs for EII
  - Revamp Config Manager API
  - Implement C ETCD Config library
- Time series improvements:
  - Enable Multiple Telegraf instances
  - Enable multiple UDF support with Kapacitor.
  - Enable Random Forest Algo
  - Implement EISMessageBus (ZMQ) plugin for Telegraf.
- Video use case improvements:
  - Support more popular GigE camera in VI
  - Add snapshot feature for SW trigger (feed in just one frame)
- EII Message Bus Improvements:
  - Enable XPUB-XSUB messaging pattern of EII Message Bus.
  - Dynamic loading of protocol plugins

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3 Fixed Issues: None

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4 Known Issues: None

Description	Symptom	Impact	Solution	Component Impact	OS

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5   Related Documentation

The required documentation is available in the **user guide** in the Docs folder of the release package.

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6 Where to Find the Release

Will be available via ESH

https://software.intel.com/iot/edgesoftwarehub/download/home/industrialinsights

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7 Release Content

Table 1-1 Revision numbers of components of the Production Candidate release.

Subproject (component)	Location	Revision
IEdgeInsights	/IEdgeInsights	v2.5
Turtlecreek	/manageability	v2.5(v2.10.1)
TLS	/training-and-learning-suite	v2.5(v2.0.2)

8 Minimum Hardware and Software Requirements

The minimal hardware and software configuration required for this software release is as below:

- Intel Core-i5 CPU (Broadwell onwards)

- 16GB RAM

Software requirement:

- Docker engine version 18.06-ce

- Docker-compose v1.24

Supported Operating Systems

Ubuntu 18.04

9 Acronyms and Terms

The following acronyms and terms are used in this document (arranged in alphabetic order):

Acronym/Term	Description
EII	Edge Insights for Industrial
TLS	Training and Learning Suite
ESH	Edge Software Hub

10 Legal Information

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