Edge Insights for Industrial 2.4

Release Notes

22 January 2021

## Version History/Revision History

These are the main releases of Edge Insights for Industrial:

|  |  |  |
| --- | --- | --- |
| Date | Revision | Description |
| 22 January 2021 | 2.4 | Release notes for the EII v2.4 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:

[1 Introduction 4](#_Toc45707411)

[2 New in This Release 5](#_Toc45707412)

[3 Fixed Issues 6](#_Toc45707413)

[4 Known Issues 7](#_Toc45707414)

[5 Related Documentation 8](#_Toc45707415)

[6 Where to Find the Release 9](#_Toc45707416)

[7 Release Content 10](#_Toc45707417)

[8 Minimum Hardware and Software Requirements 11](#_Toc45707418)

[9 Acronyms and Terms 12](#_Toc45707419)

[10 Legal Information 13](#_Toc45707420)

# Introduction

Edge Insights for Industrial v2.4 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](#_What's_New) section below, or in the help.
* Reference documentation listed in the [Related Documentation](#_Related_Documentation) section below
* Installation instructions can be found at: README.md file with the source code.

# New in This Release

**Base Features of v2.4**

* 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 EISMessageBus
  + Dynamic loading of protocol plugins

# Fixed Issues

# Known Issues

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Description | Symptom | Impact | Solution | Component Impact | OS |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

# Related Documentation

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

# Where to Find the Release

Will be available via ESH

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

# Release Content

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

|  |  |  |
| --- | --- | --- |
| **Subproject (component)** | **Location** | **Revision** |
| IEdgeInsights | /IEdgeInsights | v2.4 |
| TurtleCreek | /manageability | v2.4(v2.8.5) |
| TLS | /training-and-learning-suite | v2.4 |
| Castle lake | /orchestrator | v2.4 |

# 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

# 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 |

# Legal Information

Please refer to the OBL for legal information.

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