Industrial Edge Insights 2.3 – PV

Release Notes

20 August 2020

Version History/Revision History

These are the main releases of Elephant Trunk Arch:

Date	Revision	Description
20 August 2020	2.3	Release notes for the EIS2.3 PV 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>.

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Contents:

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1   Introduction

Edge Insights Software v2.3 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.

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2   New in This Release

Base Features of v2.3

- CSL orchestrator enablement
- Multi repo enablement
    - EIS builder to select components & dev mode
    - Auto generation of docker-compose and eis_config (etcd_pre_load) & csl app spec
- Azure IOT edge enablement with EIS Azure bridge service
    - New ONNX based UDF
- SW trigger for VI
- HW trigger for Basler camera
- Open VINO runtime container
- Advanced video pipeline monitoring
    - New video profiler tool (modified existing Fps calculator)
- Time series improvements:
    - Enabled Python UDF in Kapacitor
    - Support for TICK script only without UDF in Kapacitor
    - Configuration of UDFs from etcd
    - Time-series profiling improvements
- Binary distribution of EIS message bus
- EIS libs installer
- Config manager improvements with Env config inclusion
- Support for new RGB pixel formats in Basler
- Multi node provisioning without etcd clustering

3   Fixed Issues

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4 Known Issues

Description	Symptom	Impact	Solution	Component Impact	OS
EIS Video ingestion and Video Analytics Container failing in long run with profiling enabled.	Video Ingestion and Video analytics can restart and drop frames	Profiling cannot be done for long runs(>2hrs)	To be fixed in future release	Video Ingestion/Video Analytics	All

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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 IRC.

How to Install this Release

Follow the instructions in the <Release Package>/README.md

 July 10, 2020

7   Release Content

New release is available in IRC as **EdgeInsightsSoftware-v2.3-PV.tar.gz**

Below are the various components in the release for **EdgeInsightsSoftware-v2.3-PV**:

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

Subproject (component)	Location	Revision
IEdgeInsights	/IEdgeInsights	v2.3-PV
TurtleCreek	/manageability	v2.3-PV
Installer	/installer	v2.3-PV
TLS	/training-and-learning-suite	v2.3-PV
Castle lake	/orchestrator	v2.3-PV

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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
EIS	Edge Insights Software
IRC	Intel Registration Center
TLS	Training and Learning Suite

10 Legal Information

Please refer to the OBL for legal information.

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