Industrial Edge Insights 2.3.3 – PV

Release Notes

25 November 2020

## Version History/Revision History

These are the main releases of Elephant Trunk Arch:

|  |  |  |
| --- | --- | --- |
| Date | Revision | Description |
| 25 November 2020 | 2.3.3 | Release notes for the EII2.3.3 PV candidate (pip version updated on top of EIS 2.3.2 PV) |

## 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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# Introduction

Edge Insights for Industrial Software v2.3.3 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](#_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

Latest pip version installed on top of v2.3.2\_PV as mentioned in Section3.

**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

# Fixed Issues

[The list contains issues which were fixed as part of EIS2.3.3 PV Release]

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Description | Symptom | Impact | Solution | Component Impact | OS |
| Fresh build is failing with onnx download error | Build was failing for VI-VA containers. | None of the video services can be built. | PIP version is updated to latest. | Video Ingestion/Video Analytics | All |

1. 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 |
| TC not working with Azure portal | When Azure portal is opened with the link give, for old template, it will throw error | User will not be able to use Azure portal with manageability | To be fixed in future release | manageability | All |

# 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 IRC and ESH.

## How to Install this Release

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

ESH Link:

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

# Release Content

New release is available via IRC and ESH as **EdgeInsightsSoftware-v2.3.3-PV.tar.gz**

Below are the various components in the release for **EdgeInsightsSoftware-v2.3.3-PV**:

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

|  |  |  |
| --- | --- | --- |
| **Subproject (component)** | **Location** | **Revision** |
| IEdgeInsights | /IEdgeInsights | v2.3.3 |
| Turtlecreek | /manageability | v2.3.3 |
| Installer | /installer | v2.3.3 |
| TLS | /training-and-learning-suite | v2.3.3 |
| Castle lake | /orchestrator | v2.3.3 |

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

# Legal Information

Please refer to the OBL for legal information.

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