Industrial Edge Insights 2.3.4 – PV

Release Notes

18 December 2020

## Version History/Revision History

These are the main releases of Elephant Trunk Arch:

|  |  |  |
| --- | --- | --- |
| Date | Revision | Description |
| 18 December 2020 | 2.3.4 | Release notes for the EII2.3.4 PV candidate (latest minio release binary updated on top of EIS 2.3.3 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 v2.3.4 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 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.

# New in This Release

Used latest minio release binary (RELEASE.2020-12-12T08-39-07Z) to address the issue of build failing for ia\_imagestore docker image. This started happening as the previous minio release RELEASE.2018-11-22T02-51-56Z is no longer hosted on minio server for the download.

**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 EIS2.3.1 PV Release]

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Description | Symptom | Impact | Solution | Component Impact | OS |
| The /opt/intel/eis/data and /opt/intel/eis/sockets directory should not be accessible to non-root users in PROD mode | /opt/intel/eis/data and /opt/intel/eis/sockets folder path are accessible to a non-root user in PROD mode. | Non root user can access the eis data in PROD mode without any authorization | The permissions are correctly set for /opt/intel/eis/data and /opt/intel/eis/sockets and can only be accessed by sudo user. | ETCD | All |
| Python based containers build are failing. | Pip installation command was failing causing python container to fail. | Python based container build is failing | Since pip version was updated in open source.  pip installation via get-pip is replaced by apt-get install python3-pip | All python module services | All |

EIS 2.3.2 PV - TLS 2.0 and TC 2.6.3 integrated in EIS v2.3.2PV

EIS 2.3.3 PV – Latest pip version updated.

# 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 |

# 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-v2.3.4-PV.tar.gz**

Below are the various components in the release for **EdgeInsightsSoftware-v2.3.4-PV**:

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

|  |  |  |
| --- | --- | --- |
| **Subproject (component)** | **Location** | **Revision** |
| IEdgeInsights | /IEdgeInsights | v2.3.4-PV |
| Turtlecreek | /manageability | v2.3.4-PV |
| Installer | /installer | v2.3.4-PV |
| TLS | /training-and-learning-suite | v2.3.4-PV |
| Castle lake | /orchestrator | v2.3.4-PV |

# 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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