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Context Information Management (CIM); NGSI-LD API

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Foreword

This Group Specification (GS) has been produced by ETSI Industry Specification Group (ISG) cross-cutting Context Information Management (CIM).

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Executive summary

The present document formally describes the Context Information Management API (NGSI-LD) Specification. The Context Information Management API allows users to provide, consume and subscribe to context information in multiple scenarios and involving multiple stakeholders. It enables close to real-time access to information coming from many different sources (not only IoT data sources).

Introduction

The present document defines the Context Information Management API Specification. The Context Information Management API allows users to provide, consume and subscribe to context information in multiple scenarios and involving multiple stakeholders. The ongoing status of the NGSI-LD API can be found in [i.17].

The ETSI ISG CIM has decided to give the name "NGSI-LD" to the Context Information Management API. The rationale is to reinforce the fact that the present document leverages on the former OMA NGSI 9 and 10 interfaces [i.3] and FIWARE NGSIv2 [i.9] to incorporate the latest advances from Linked Data.

The present document provides additions and corrections to the ETSI GS CIM 004 [i.16] preliminary API specification, based on feedback about ETSI GS CIM 004 [i.16] received from other SDOs as well as developers in the linked-data, internet-of-things, and mobile-apps and smart-applications communities, as well as from end users and stakeholders. In particular, open issues and proposed features in annexes of the referred ETSI GS CIM 004 [i.16] document have been addressed or added respectively.