About EKGF

Contents

Vision ........................................................................................................................................................... 3
Mission ......................................................................................................................................................... 3
Values .......................................................................................................................................................... 4
1. STANDARDS ......................................................................................................................................... 5
   1.1. Principles .................................................................................................................................. 5
2. METHOD ................................................................................................................................................ 6
   2.1. Catalog ....................................................................................................................................... 6
3. ARTIFACTS ............................................................................................................................................ 7
   3.1. Ontologies .................................................................................................................................. 7
   3.2. Tools ............................................................................................................................................. 7
   3.3. Use Cases ................................................................................................................................... 7
   3.4. Other Resources .......................................................................................................................... 7
4. COMMUNITY ......................................................................................................................................... 8
5. ADVOCACY ........................................................................................................................................... 9
Administrative Information .......................................................................................................................... 9
Enterprise Knowledge Graph Foundation (EKGF)

Description:
The EKG Foundation is a non-profit trade association established as a coordination body for the knowledge graph community.

Stakeholder(s):
Knowledge Graph Community

EXECUTIVES:
Executives who seek to realize the benefits (and minimize the risks) of semantic standards and EKG by having access to proven methods, best practices and a community of experts.

VENDORS:
Vendors who want to make it easier for organizations across information-intensive industry sectors to understand and successfully adopt their products and services.

ARCHITECTS:
Architects who want access to reusable components, deployable models, ontologies and interfaces that can be assembled and deployed within their environment.

MODELERS:
Modelers who want access to reusable components, deployable models, ontologies and interfaces that can be assembled and deployed within their environment.

CONSULTANTS:
Consultants who are looking for access to EKG-related best practices as well as a community of potential customers and skilled practitioners.

ACADEMICS:
Academics who are making a meaningful and recognized contribution that builds upon existing frameworks to address pressing business needs.

EKGF ORGANIZING TEAM

Dennis Wisnosky:
former CTO, US Department of Defense

Jacobus Geluk:
Chief Technology Officer, agnos.ai

Pete Rivett:
Member, Architecture Board, Object Management Group

Michael Atkin:
Founder, EDM Council and faculty, Columbia University

Jeremy Posner:
Principal, Head of services, agnos.ai

Vision
Sustainable data management in complex and interconnected business environments

Mission
To define best practice and mature the marketplace for EKG adoption
Values

**Principles**: Enterprise Knowledge Graph Foundation Principles -- These guiding principles are intended to provide guidelines for the development and deployment of an enterprise knowledge graph. The principles emphasize shared meaning and content reuse that are the cornerstone of operating in complex and interconnected environments.

**Identity**: Principle 1: Identity -- Any given object is identified with at least one universally unique, opaque, permanent, and web-resolvable identifier.

**Meaning**: Principle 2: Meaning -- The meaning of every data point must be directly resolvable to a machine-readable mathematical definition.

**Distribution**: Principle 3: Distributed -- An EKG can incorporate any number of datasets of any number of data sources that can be hosted by any number of independent EKG Platforms. Any given access point provides connectivity to the EKG regardless of where it resides.

**Openness**: Principle 4: Open World -- Information can vary over time, come from many internal and external sources, and be based on different identities and models. These “multiple versions of the truth” need to be reconciled on access by context.

**Self-Description**: Principle 5: Self-Describing -- An EKG is composed of a set of self-describing datasets that provide information about lineage, provenance, pedigree, maturity, quality, and governance. The EKG Platform has policy enforcement services that are driven by these self-describing datasets.

**Measurement**: Principle 6: Measurement -- The quality and characteristics of the managed knowledge must be measurable and measured. Measurement criteria are used to designate fitness-for-defined-purpose and must be actionable.

**Use Cases**: Principle 7: Use Cases -- All artifacts around and information in the EKG are linked to defined and prioritized use cases. Nothing in the EKG exists without a known business justification and purpose.

**Control**: Principle 8: Control -- Entitlement, privacy, and business policies will be modeled in the EKG and automatically executed, enforced, and audited at the data point level.

**Ecosystems**: Principle 9: Ecosystem -- An enterprise will use a heterogeneous set of technologies and data sources that will be incorporated into the EKG over time. All components of the ecosystem are subject to service level agreements.

**Standards**: Principle 10: Standards -- Both the EKG Platform and knowledge content should be based on open standards. Where necessary, the EKG Foundation will work to expand those standards.
1. STANDARDS

Adopt semantic standards to solve the challenges of data management

1.1. Principles

Define guiding principles for the development and deployment of enterprise knowledge graphs

Principles — The EKG Foundation has defined a set of guiding principles for the development and deployment of an enterprise knowledge graph. These principles are designed to promote sustainable data management in complex and interconnected business environments.
2. METHOD

*Develop best practices for accelerated EKG deployment*

2.1. Catalog

*Establish a catalog of best practices for sustainable knowledge graph deployment*

Maturity Model — The EKG Foundation is establishing the catalog of best practices for sustainable knowledge graph deployment based on the EKG Maturity Model – a set of criteria for evaluating readiness in EKG environments.
3. ARTIFACTS

Curate a repository of reusable models and resources

EKG Portal — The EKG Foundation will offer curated access to published ontologies, tools, use cases and other resources needed for sustainable knowledge graph operations.

3.1. Ontologies
   Publish ontologies

3.2. Tools
   Make available tools for knowledge graph operations

3.3. Use Cases
   Publish use cases

3.4. Other Resources
   Share other resources for knowledge graph operations
4. COMMUNITY

Build the mechanism for engagement and shared knowledge
5. ADVOCACY

Advance the business cases for EKG adoption

Administrative Information
Start Date:  
End Date:  
Publication Date: 2020-11-09  
Source: https://www.ekgf.org/

Submitter:  
Given Name: Owen  
Surname: Ambur  
Email: Owen.Ambur@verizon.net  
Phone: