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| Work Item | |
| Work Item Title: | oneM2M Architecture Icons |
| Document Number | WI-0111 |
| Supporting Members or Partner type 2 | Exacta, Deutsche Telekom, Hansung University, KETI, CDAC |
| Date: | 2023-02-23 |
| Abstract: | This Work Item is intended to produce a set of icons that can be used to represent oneM2M deployment architectures. The intent is to create a sense familiarity when describing IoT systems that use oneM2M. |
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oneM2M Copyright statement

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1 Title (Acronym)

oneM2M Architecture ICONs

2 Justification

In the oneM2M documents, presentations and designs we frequently create diagrams, call flows and resource tree structures to describe an IoT deployment that uses oneM2M. The goal of this work item is to develop a set of ICONs that represent oneM2M entities and concepts such that they can be used in diagrams, call flows and resource tree structures in a consistent manner.

3 Intended Output

|  |  |
| --- | --- |
| Tick all the appropriate cases |  |
|  | Change request(s) to existing Technical Specification(s) |
| X | Change request(s) to existing Technical Reports(s) |
|  | New Normative Technical Specifications(s) |
|  | New Permanent Technical Reports(s) |
|  | New Temporary Technical Reports(s) |

4 Impact

4.1 oneM2M Work Items

None

5 Scope

The goal is to make ICON sets available in a common format (such as .png or .svg) so that they can be used in oneM2M products and available for all users of oneM2M. These ICONs should be produced with an appropriate permissive license, such as Creative Commons or other suitable license(s).

Example oneM2M concepts that this work item intends to create icons for are:

|  |  |  |  |
| --- | --- | --- | --- |
| oneM2M Entities | Hierarchy | Interfaces | Other concepts |
| CSE | Infrastructure Node | Mca | Sensor |
| Application Entity | Middle Node | Mcc/Mcc’ | Actuator |
| Interworking Proxy Entity | Application Service Node | Mcn | Application |
| Network Services Entity | Application Dedicated Node |  | Other external services |
| Non-oneM2M entity | Resources |  | Profile ID |
|  | CSFs |  | Data |

These ICONs will be added to the oneM2M presentation template (powerpoint slides).

The goal is to create a set of icons and ask delegates to use them during release 5 development cycle, modifying and improving them during that timeframe. The goal is to make this icon set available with Release 5. There will also be usage guidelines included to help guide creation of architectures using these icons.

6 Schedule and impacted specifications

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| New Specifications (if any) | | | | | | | | | |
| Document  Type | Document  Number\* | Title | Schedule (TP No.) | | | | Lead WG | Impacted WGs | Comments |
| Start | Change Control | Freeze | Approval |
| TR | TR-00XX | oneM2M-Template-Presentation | TP#58 | n/a | TP#60 | TP#61 | WG3 |  |  |

\* Optional for first versions (i.e. before it will be assigned by the secretariat)

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| CRs to existing specifications (if any) | | | | | |
| Impacted  TS/TR | CR number (when known) | Subject of the CR | Approved at plenary# | Impacted WGs | Comments |
|  |  | None |  |  |  |

7 Work Item Rapporteur(s)

rapporteurs: Bob Flynn (Exacta)

8 History

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| Document history | | |
| V0.0.1 | 2023-02-23 | Initial proposal |
| 2023-02-23 | Uploaded as a permanent document following approval of TP-2023-0022 |
| V0.0.2 | 2023-04-20 | Corrected the Lead WG to reflect TDE |
| 2023-04-24 | Uploaded as a permanent document following approval of TP-2023-0037 |

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