

Web of Things Japanese CG (WoT-JP CG)

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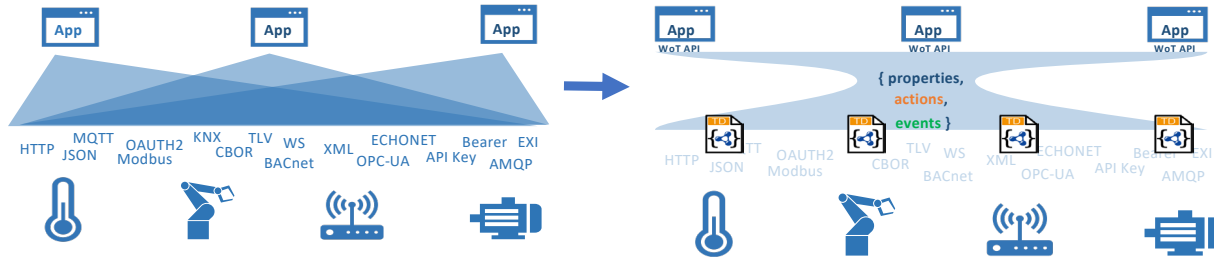
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Web of Things (WoT)

- There are a lot of IoT devices, systems and services in Japan
- Problem of “IoT silos”
 - Developers have hard time to integrate various subsystems

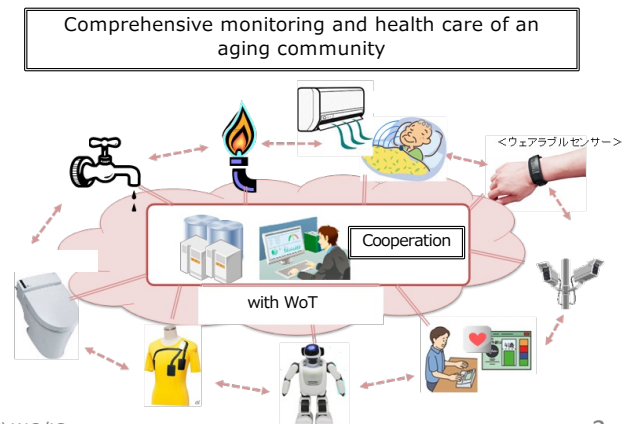
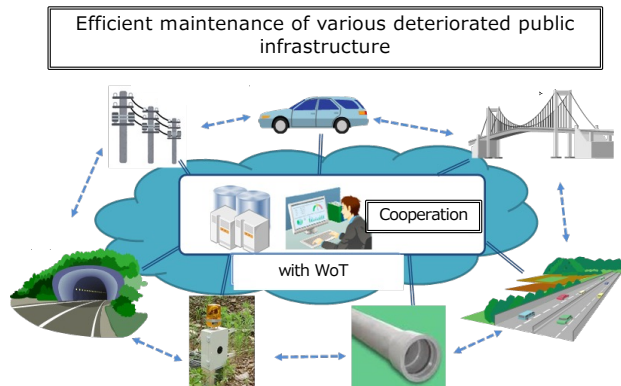


W3C WoT is standardization for interconnecting various IoT platforms using Web technologies.



Our expectation for the future society using WoT

- WoT as a solution to improve the situation
 - Social services, e.g., public infrastructure and health care
 - Social System, e.g., smart city and smart building



The goal of WoT-JP CG

1. Outreach
 - To promote WoT with SDOs, Companies, Communities, etc
2. Deployment
 - To Create Libraries, Tools, Documentations for development
3. Use Cases
 - To Discover industrial Use Cases
4. Translation
 - To translate documentations from English to Japanese and from Japanese to English

WoT-JP CG – Accelerate WoT Deployment

W3C WoT-JP CG https://www.w3.org/community/wot-jp/ Chairs Tomoaki Mizushima (Internet Research Institute, Inc.) Kunihiko Toumura (Hitachi, Ltd.)			
Use Cases Task Force	Outreach Task Force	Deployment Task Force	Translation Task Force
Moderator: Tomoaki Mizushima (Internet Research Institute)	Moderator: Daisuke Ajitomi (Toshiba)	Moderator: Kunihiko Toumura (Hitachi)	Moderator(tentative): Kazuyuki Ashimura (W3C/Keio)
Objectives: - Discover industrial Use Cases https://github.com/w3c/wot-jp-cg/tree/main/TF/Usecases	Objectives: - To promote WoT deployment with SDOs, Companies, Communities, etc. https://github.com/w3c/wot-jp-cg/tree/main/TF/Outreach	Objectives: - To Create Libraries, Tools, Documentations for development. https://github.com/w3c/wot-jp-cg/tree/main/TF/Deployment	Objectives: - English to Japanese - Japanese to English https://github.com/w3c/wot-jp-cg/tree/main/TF/Translation

Outreach TF

Objectives

- To Promote WoT into the Japanese industry

Recent Events

- Kickoff Meeting : 22 Dec 2021 & 28 Jan 2022
 - Discussed the organization and direction of WoT-JP CG activities
- WoT Demo Event : 11 Mar 2022
 - Demonstrated a device implementing WoT to understand how WoT works
- ECHONET collaboration : 11 Mar 2022
 - Introduced ECHONET Lite Web API with WoT
- Use Cases discussion : 25 Mar 2022
 - Introduced the activity of Use Cases and Use Cases examples of NHK on Media and ECHONET Lite
- Smart Building : 22 Apr 2022
 - Introduced the usage of WoT in Smart Building based on case studies

Upcoming Events

- Publishing : 30 Sep 2022
 - To discuss the usage of IoT and WoT in the publishing industry

Deployment TF

Objectives

- To provide guidelines and manuals in Japanese for engineers

Activity

- To create the portal site for the deployment of WoT
 - <https://wot-jp-cg.netlify.app/#/>



Translation TF

Objectives

- Japanese localization of documents related to WoT
- Translation English from Japanese documents

Activity

- Architecture 1.0
 - Transferred to TTC
 - <https://www.ttc.or.jp/application/files/2816/3944/7305/JF-W3C-wot-architecture-20200409v1.pdf>
- Thing Description 1.0
 - Ongoing
- In the future, we will cooperate with the MDN Translation Meetup (aka. Moku-Moku Kai)and accelerate the translation work.

Use Cases TF

Objectives

- To Collect industrial use cases
 - To consider use cases based on knowledge gained from the past events
 - To analysis gaps
 - To consider requirements
 - To submit to WoT WG/IG

Upcoming Events

- Hackathon/Ideathon
 - Deployments and Use Cases Events
 - To discuss use cases and to deploy the WoT
 - Dec 2022 or Jan 2023

SDO Collaboration

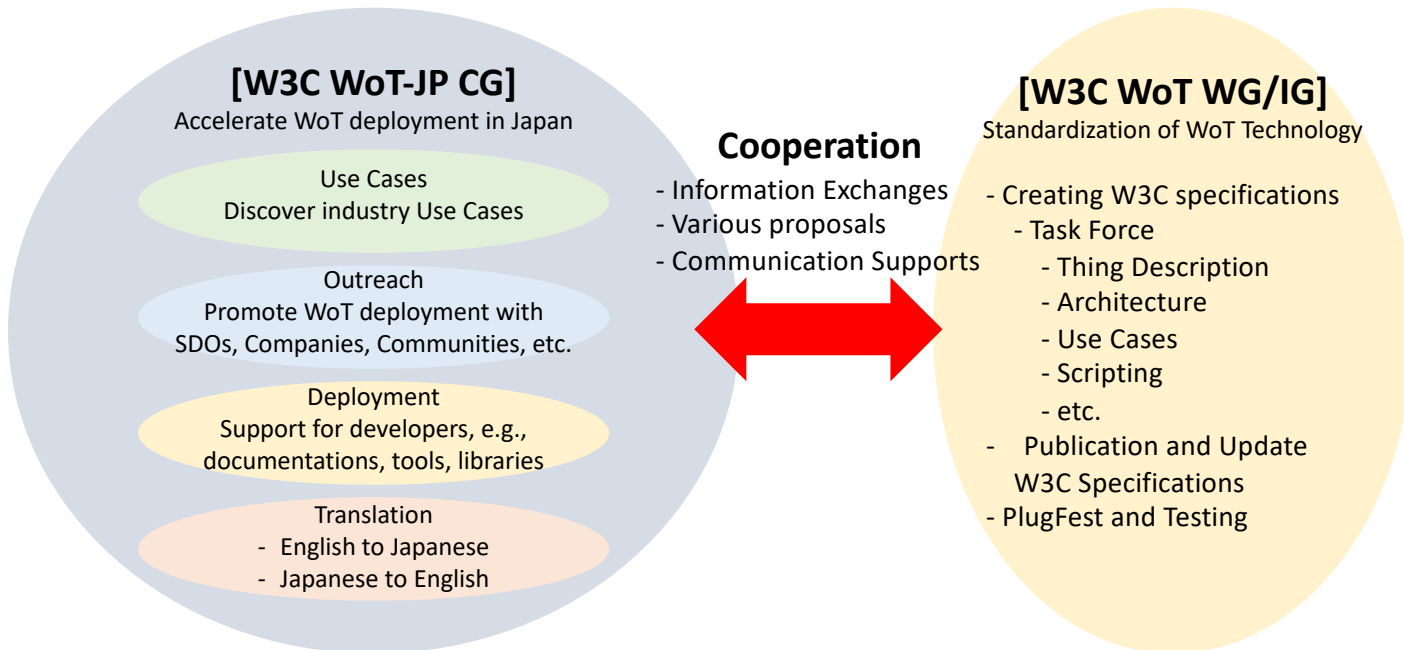
Objectives

- To introduce and discuss the availability of the WoT with Japanese SDOs

Activities

- SDOs under consideration
 - ECHONET: Smart Home, Home Appliances
 - IPA DADC (Digital Architecture Design Center): Smart Building, Smart City
 - IEC SC3D: IoT Ontology/Vocabulary

Relationship with WoT-WG/IG



Thank you!

W3C WoT Japanese CG

<https://www.w3.org/community/wot-jp/>

co-Chairs

Tomoaki Mizushima
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Kunihiko Toumura
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