



WoT WG/IG TPAC – Day 1

Sebastian Kaebisch

14 September 2023

Welcome & Hello from Sevilla



Please Respect

- W3C Patent Policy
 - <https://www.w3.org/Consortium/Patent-Policy-20200915/>
 - <https://www.w3.org/2003/12/22-pp-faq.html#non-participants>
- TPAC23 Health Rules: <https://www.w3.org/2022/09/TPAC/health.html>
- Code of Ethics and Professional Conduct: <https://www.w3.org/Consortium/cepc/>
- Accessibility and Internationalization
- Respect the queue

IRC & WoT TPAC Resources & Minutes

- IRC
 - please join #wot
 - <https://irc.w3.org/?channels=wot>
 - Minutes:
 - Cristiano 1st hour, Daniel 2nd hour, Mahda 3rd hour, Kaz 4th hour
- Detailed agenda Presentations
 - <https://github.com/w3c/wot/tree/main/PRESENTATIONS/2023-09-tpac>
 - Please upload prior to your session
 - Please (also) export and upload a PDF version (PDF-only ok)

Topic Overview

Thursday (Sep 14) 14:30-18:30

- WoT Overview & TPAC news
- Use Case and Requirements Process
- Thing Description and Bindings
- Discovery
- Accessibility - Joint Meeting

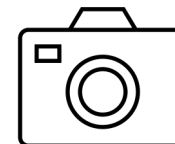
Friday (Sep 15) 14:30-18:30

- Outreach (e.g., SDO collaboration)
- Security and Privacy
- WoT Profiles
- WoT Architecture
- New/Commercial Use Cases and Requirements - Joint Meeting
 - including visitors: PBG, MEIG, Second Screen, Devices and Sensors, WoT CG, WoT-JP CG, etc.
- Wrap Up and Next Steps

Thursday Sept 12 (4h)

TPAC Day 1

- 14:30-14:45 (15m) **Opening, Introductions, Joint Session/Breakout reports** (Sebastian)
- 14:45-15:30 (30m) **Use Case and Requirements Process** (McCool)
- 15:30-16:45 (1h15) **TD and Bindings** (Sebastian, Ege, Koster)
- 16:45-17:00 (15m) **Break**
- 17:00-17:25 (25m) **Discovery** (McCool)
- 17:25-17:30 (5min) **Move to room Utrera (1st floor)**
- 17:30-18:30 (1h) **Accessibility** (McCool) – Joint
- After the meeting: **Group Photo at terrace**



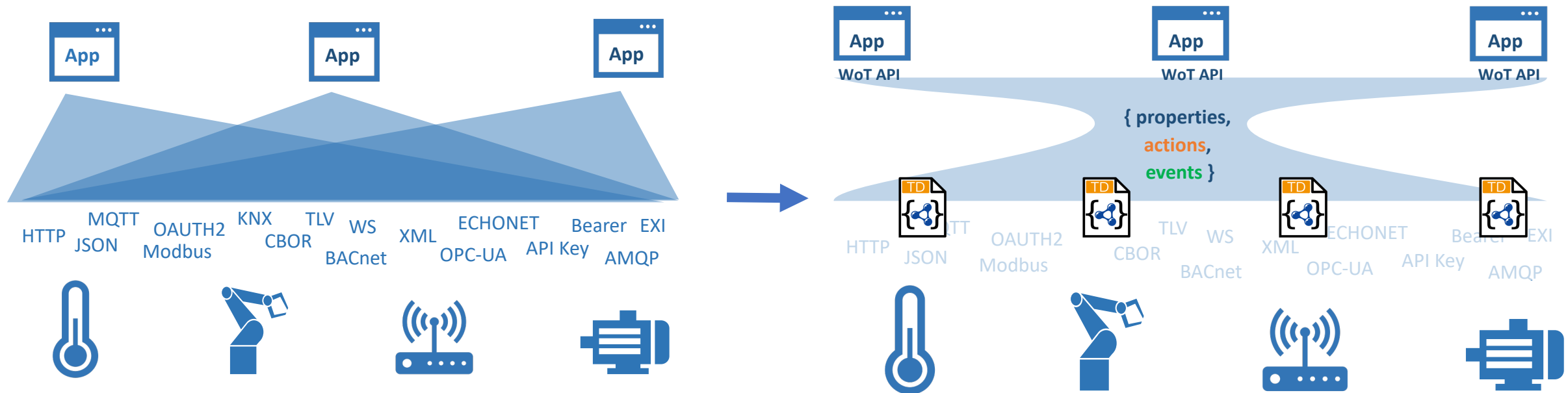
WoT Dinner Tonight

- Meeting point:
 - Melia Seville at 7:30pm
 - Restaurant: 8pm
- Restaurant: Corral del Agua
<http://corraldelagua.es/?lang=en>
<https://goo.gl/maps/ZafraZzEX8NqiCha7>



W3C WoT in a Nutshell

- **IoT Challenges:**
 - heterogenous device landscape (sensors, actuators, communication protocols, data models, security constraints, ...)
 - Time & cost-intensive IoT onboarding and application development
- **WoT WG goal:** Adapting web paradigm to IoT and provide building blocks such as Thing Description (TD), API, Discovery, etc.



WoT New Deliverables

REC Track:

- WoT Architecture 1.1
- WoT Thing Description 1.1
- WoT Discovery

→ Passed AC PR voting

→ Releasing RECs end of September

Note Track:

- Updated WoT Scripting API
- Updated WoT Binding Template

→ Publishing soon

Web of Things (WoT) Architecture 1.1

W3C Proposed Recommendation 11 July 2023



▼ More details about this document

This version:

<https://www.w3.org/TR/2023/PR-wot-arch-1.1/>

Latest published version:

<https://www.w3.org/TR/wot-arch-1.1/>

Latest editor's draft:

<https://w3c.github.io/wot-archite-1.1/>

History:

<https://www.w3.org/standards/history/wot-archite-1.1/>

[Commit history](#)

Implementation report:

<https://w3c.github.io/wot-archite-1.1/>

Editors:

Michael Lagally (Oracle Corp.)

Ryuichi Matsukura (Fujitsu Ltd.)

Michael McCool (Intel Corp.)

Kunihiko Tounura (Hitachi, Ltd.)

Former editors:

Web of Things (WoT) Thing Description 1.1

W3C Proposed Recommendation 11 July 2023



▼ More details about this document

This version:

<https://www.w3.org/TR/2023/PR-wot-thing-desc-1.1/>

Latest published version:

<https://www.w3.org/TR/wot-thing-description-1.1/>

Latest editor's draft:

<https://w3c.github.io/wot-thing-description-1.1/>

History:

<https://www.w3.org/standards/history/wot-thing-description-1.1/>

[Commit history](#)

Implementation report:

<https://w3c.github.io/wot-thing-description-1.1/>

Editors:

Sebastian Kaebisch (Siemens AG)

Michael McCool (Intel)

Ege Korkan (Siemens AG)

Former editors:

Takuki Kamiya (Fujitsu Research of America)

Web of Things (WoT) Discovery

W3C Proposed Recommendation 11 July 2023



▼ More details about this document

This version:

<https://www.w3.org/TR/2023/PR-wot-discovery-20230711/>

Latest published version:

<https://www.w3.org/TR/wot-discovery-1.1/>

Latest editor's draft:

<https://w3c.github.io/wot-discovery/>

History:

<https://www.w3.org/standards/history/wot-discovery-1.1/>

[Commit history](#)

Implementation report:

<https://w3c.github.io/wot-discovery/testing/report.html>

Editors:

Andrea Cimmino (Universidad Politécnica de Madrid)

Michael McCool (Intel Corp.)

Farshid Tavakolizadeh (Invited Expert)

Kunihiko Tounura (Hitachi, Ltd.)

Former editor:

Farshid Tavakolizadeh (Fraunhofer-Gesellschaft) - Until 30 September 2021

Web of Things (WoT) Binding Templates

W3C Editor's Draft 12 July 2023



▼ More details about this document

This version:

<https://w3c.github.io/wot-binding-templates/>

Latest published version:

<https://www.w3.org/TR/wot-binding-templates-1.1/>

Latest editor's draft:

<https://w3c.github.io/wot-binding-templates-1.1/>

History:

<https://www.w3.org/standards/history/wot-binding-templates-1.1/>

[Commit history](#)

Editors:

Michael Koster (Invited Expert)

Ege Korkan (Siemens AG)

Web of Things (WoT) Scripting API

W3C Editor's Draft 26 May 2023



▼ More details about this document

This version:

<https://w3c.github.io/wot-scripting-api/>

Latest published version:

<https://www.w3.org/TR/wot-scripting-api-1.1/>

Latest editor's draft:

<https://w3c.github.io/wot-scripting-api-1.1/>

History:

<https://www.w3.org/standards/history/wot-scripting-api-1.1/>

Editors:

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Cristiano Aguzzi (Invited Expert)

Johannes Hund (Former Editor, when at Siemens AG)

Kazuaki Nimura (Former Editor, at Fujitsu Ltd.)

“WoT 2.0” Starting Soon

- WoT charter next passed AC voting
- Work on the new Charter begins in October
- → a good time to join the WG and become part of the WoT family
- More details:
<https://www.w3.org/2023/08/wot-wg-2023-draft.html>



PROPOSED Web of Things Working Group Charter

The **mission** of the [Web of Things Working Group](#) is to counter the fragmentation of the Internet of Things (IoT) through the specification of building blocks that enable easy integration of IoT devices and services across IoT platforms and application domains. These building blocks complement and enhance the use of existing standards; provide a common description across different ecosystems, standards, and communities; and provide prescriptive definitions where appropriate.

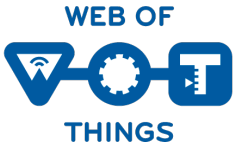
[Join the Web of Things Working Group.](#)

This proposed charter is available on [GitHub](#). Feel free to raise [issues](#).

Charter Status	See the group status page and detailed change history .
Start date	<i>1 September 2023 (ESTIMATED) (date of the "Call for Participation", when the charter is approved)</i>
End date	<i>1 September 2025 (ESTIMATED; Start date + 2 years)</i>
Chairs	<i>Sebastian Kaebisch (Siemens), Michael McCool (Intel), and Michael Koster (Invited Expert) (PROPOSED)</i>
Team Contacts	Kazuyuki Ashimura (0.2 FTE)
Meeting Schedule	<p>Teleconferences: Weekly with additional topic specific calls as appropriate.</p> <p>Face-to-face: We will meet during the W3C's annual Technical Plenary week; additional face-to-face meetings may be scheduled by consent of the participants, with no more than four (4) face-to-face meetings in total per year.</p>

Background
Scope
Deliverables
Success Criteria
Coordination
Participation
Communication
Decision Policy
Patent Policy
Licensing
About this Charter

Overview: TPAC Meetings (Joint, Breakouts, etc)



Monday:

- Autonomous Agents on the Web (WebAgents) CG & Web of Things CG/WG joint meeting
- JSON for Linking data WG, Web Of Thing WG, RDF Dataset Canonicalization and Hash Working Group Joint meeting

Wednesday (Breakout Sessions):

- Web of Things Scenarios at Home Assistant
- Web-based Digital Twins for Smart Cities
- „You say Schemata, I say Schemas“

Thursday&Friday:

- Web of Things CG

Resources and WG/IG Co-Chairs Contacts

<https://www.w3.org/WoT>

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