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Tizen.IoT

Who are we?



- Samsung Research
- Tizen Developer
- Tizen Talks Group members in Facebook & YouTube



Who are you?

- Student?
- Tizen?
- IoT?

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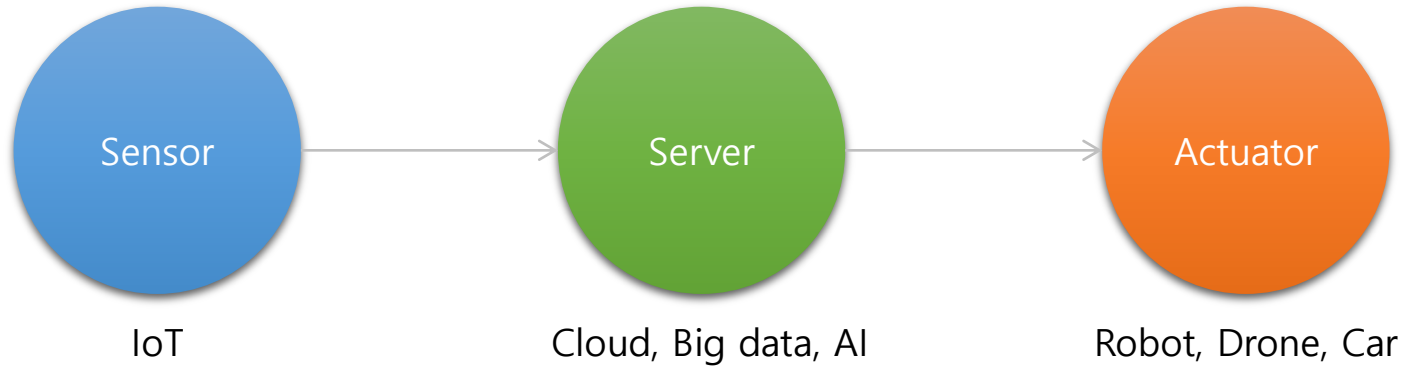


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Context?

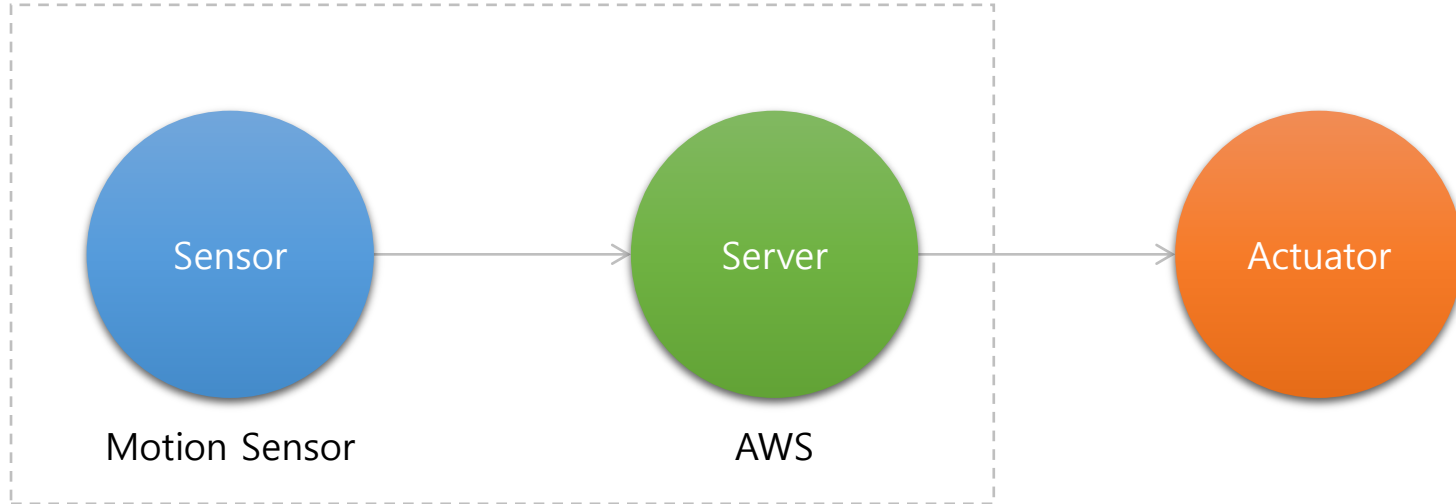
Big Picture

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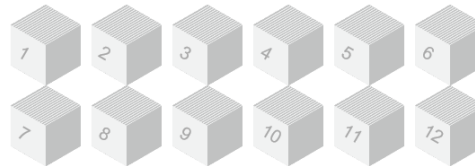


Today Topic

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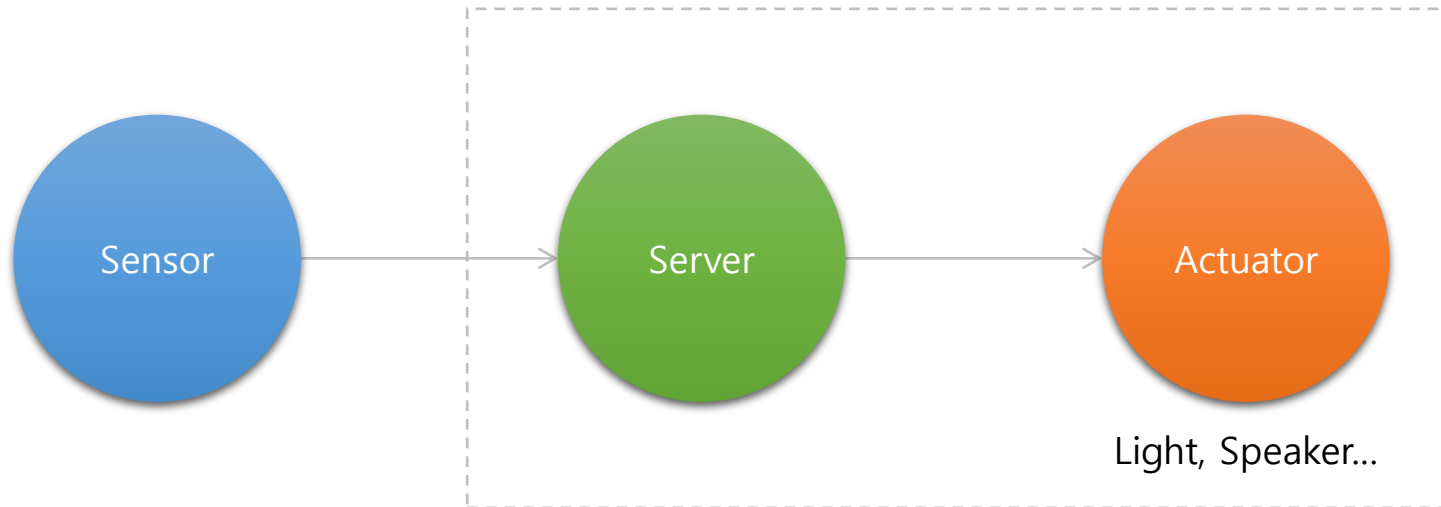


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Next Topic – Actuator

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Actuator Examples

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Lighting and Switches

Staff Pick



Philips Hue White and
Color Ambiance LED...



SYLVANIA Color LED Bulb
(A19)



Cree Connected LED Bulb
(A19)

Staff Pick

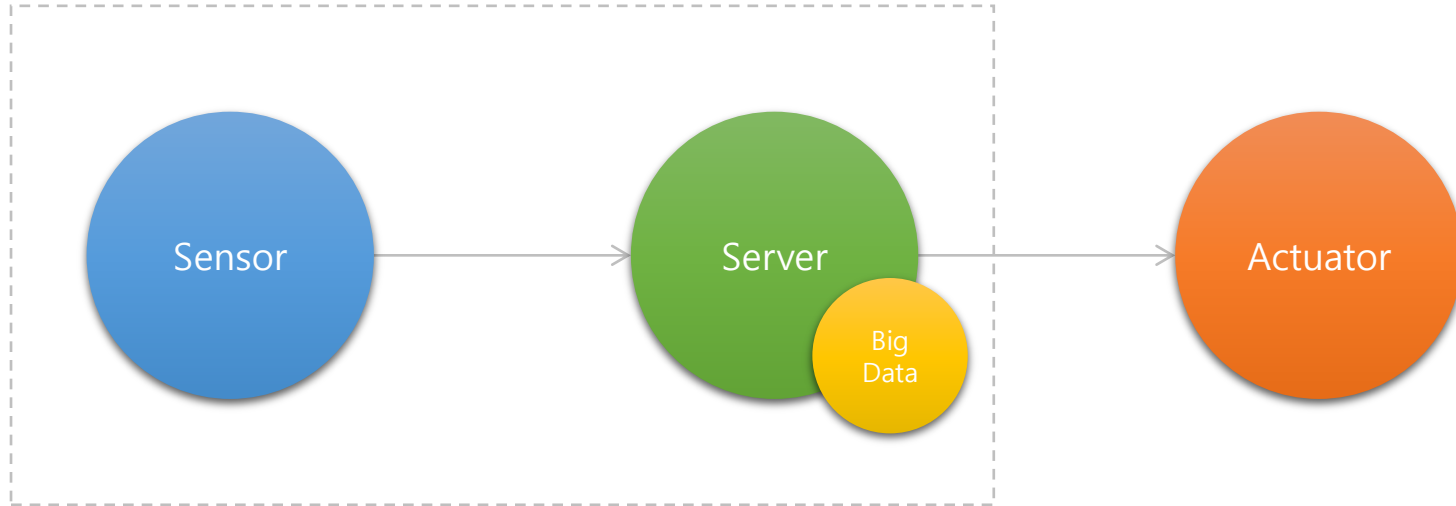


Leviton Universal Dimmer

<https://www.smarthings.com/products/-/filter/categories/lighting-and-switches>

Next Topic – Big Data

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Next Topic – Big Data

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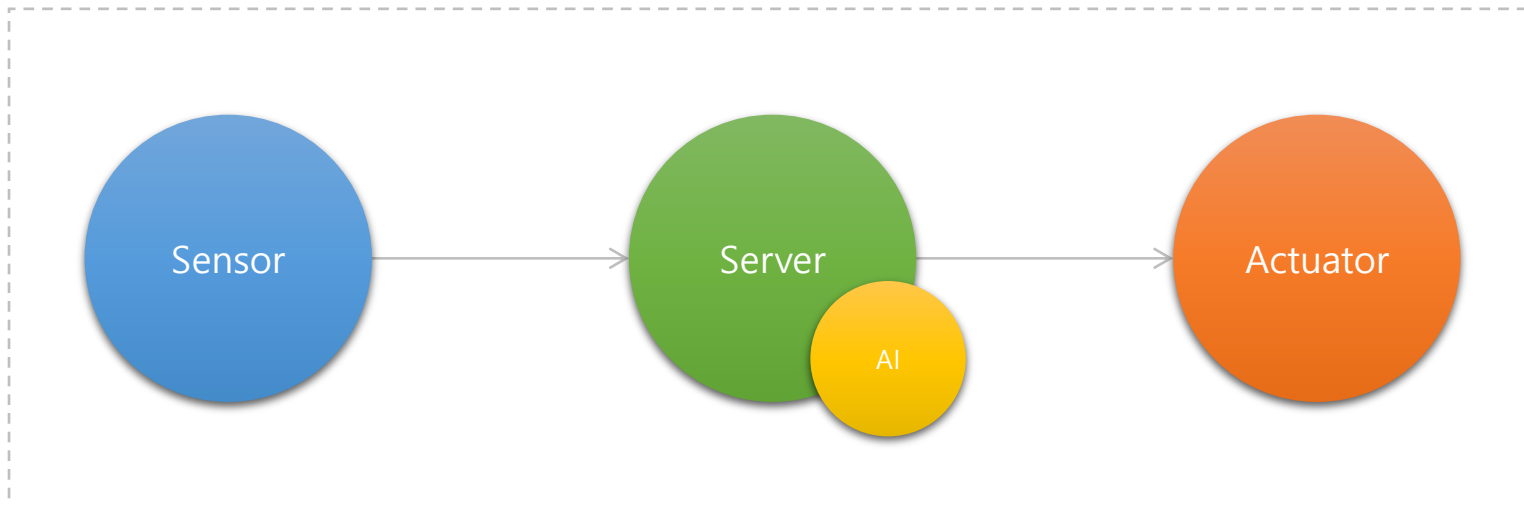
서울 및 6대 광역시 공기질 측정망 구축 및 시범서비스 - KT는 서울 및 6대 광역시에 공기질 측정망을 구축하고, 내년 1분기에 시범서비스를 실시할 예정이다. 이를 위해 서울 및 6대 광역시의 주요 거점 1,500개소에 공기질 측정기를 설치하고, 공기질 데이터를 수집 및 분석한다.

IoT 기반 공기질 측정기는 6가지 공기질 데이터 (초미세먼지, 미세먼지, 휘발성유기화합물 (VOCs), 이산화탄소, 소음, 습도)를 분 단위로 측정이 가능하다. 시범서비스는 어린이, 노인 등 미세먼지 취약인구가 거주하는 지역과 유해시설 밀집 지역 위주로 실시할 계획이다.

출처 : https://netmanias.com/ko/?m=view&id=operator_news&no=12749, 2017. 9. 20 기사

Next Topic – AI

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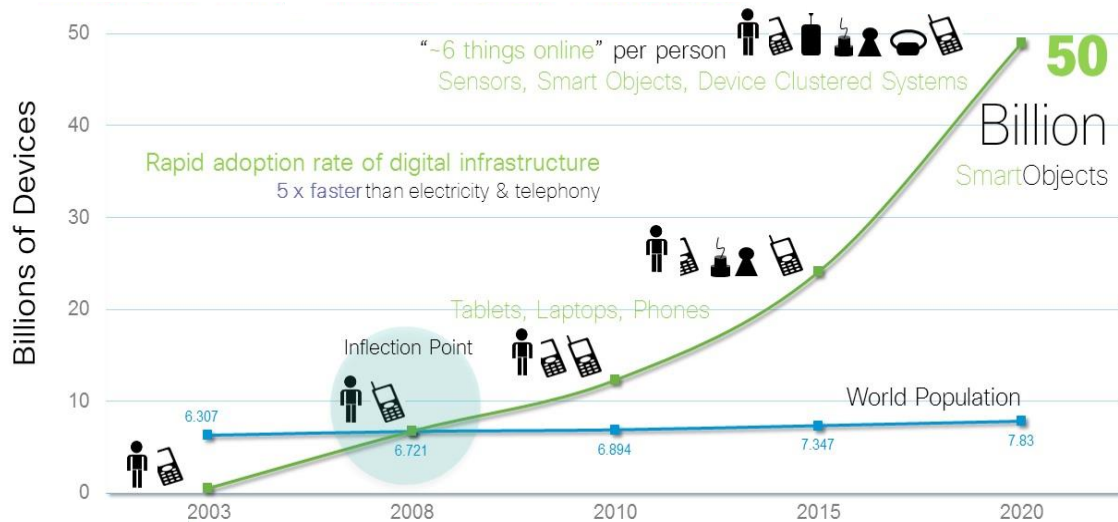


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IoT Today & Tomorrow

Growth of IoT

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- The number of connected devices will exceed **50 billion by 2020**
- **1,000 devices per person by 2040** will be connected to the Internet.



IT ▾

통신 • 휴대폰

'탈(脫) 구글 가속화' 삼성, 올해 9월 타이젠
4.0 발표..."폰만 빼고 모두 타이젠 OS 탑재"



TIZEN, Connect Everything

Openness, Optimization, and Opportunities



Mobile



Wearable



TV

- All of Samsung's products (excluding smartphones) will be equipped with **Tizen OS**.
- Participation of many domestic and foreign companies participates in the **Tizen IoTivity** ecosystem.

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Today Topic



Tizen을 활용하여 IoT 쉽게 만들기

*Raspberry pi3, Tizen IoTivity 오픈소스 활용

일정	주제
14:00	우리는 왜 Tizen IoTivity를 선택해야 하는가?
14:20	Tizen IoTivity를 시작하기 위한 환경 설정하기
16:00	Thing에 연결된 센서로부터 센서값 읽어오기
17:00	IoT 세계에서 Cloud와 소통하기

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Source code

Tizen Repositories

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Browser window showing the Tizen Git repository page: <https://review.tizen.org/git/>

Search bar: re Search

[List all projects](#)

Project	Description	Owner	
All-Projects.git	Access inherited by all other...	Gerrit User	summary shortlog log tree
Lock-Projects.git			summary shortlog log tree
adaptation/alsa-scenario-scen-data-0-base.git	Domain: Multimedia / Uncategorized		summary shortlog log tree
adaptation/alsa-scenario-scen-data-0-mc1n2.git	Domain: Multimedia / Uncategorized		summary shortlog log tree
adaptation/ap_samsung/audio-hal-e3250.git	Domain: Multimedia / Audio FW		summary shortlog log tree
adaptation/ap_samsung/audio-hal-e4x12.git	Domain: Multimedia / Audio FW		summary shortlog log tree
adaptation/ap_samsung/device-manager-plugin-exynos.git	Domain: System / System Framework		summary shortlog log tree
adaptation/ap_samsung/device-manager-plugin-exynos3250.git	Domain: System / System Framework		summary shortlog log tree
adaptation/ap_samsung/gst-plugins-camera-e3250.git	Domain: Multimedia / Media...		summary shortlog log tree
adaptation/ap_samsung/gst-plugins-e4x12.git	Domain: Multimedia / Codec		summary shortlog log tree
adaptation/ap_samsung/gst-plugins-fimcconvert.git	Domain: Multimedia / Codec		summary shortlog log tree
adaptation/ap_samsung/gst-plugins-s5pc2xx.git	Domain: Multimedia / Codec		summary shortlog log tree
adaptation/ap_samsung/libcamsrcjpegenc-hw-e3250.git	Domain: Multimedia / Media...		summary shortlog log tree
adaptation/ap_samsung/libdrm-slp-gem.git	Domain: Graphics System / ...		summary shortlog log tree
adaptation/ap_samsung/libomxil-e3250-v4l2.git	Domain: Multimedia / Codec		summary shortlog log tree
adaptation/ap_samsung/libomxil-e4x12.git	Domain: Multimedia / Codec		summary shortlog log tree
adaptation/ap_samsung/libomxil-s5pc2xx.git	Domain: Multimedia / Uncategorized		summary shortlog log tree
adaptation/ap_samsung/libtbm-emulator.git	Domain: Graphics System / ...		summary shortlog log tree

Today Repositories



A screenshot of a web browser window showing the Tizen review.tizen.org Git repository page. The browser's address bar displays the URL: https://review.tizen.org/git/?a=project_list&s=position-finder&btnS=Search. The page title is "review.tizen.org Git". The main content area shows a search bar with the text "position-finder" and a "Search" button. Below the search bar is a link labeled "List all projects". A table lists the projects, with columns for "Project", "Description", and "Owner". The table contains two entries: "apps/native/position-finder-client.git" and "apps/native/position-finder-server.git". Both entries have a "Domain: Applications; Licenses..." and an "Owner: Jin Yoon <jinny...". Each entry also has links for "summary", "shortlog", "log", and "tree". At the bottom right of the page, there are two buttons labeled "TXT" and "OPML".

- position-finder-server
- position-finder-client



Current Status

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[projects](#) / [apps](#) / [native](#) / [position-finder-server.git](#) / [summary](#)

[summary](#) | [shortlog](#) | [log](#) | [commit](#) | [commitdiff](#) | [tree](#)

description Domain: Applications; Licenses: Apache-2.0
owner Jin Yoon <jinny.yoon@samsung.com>
last change Thu, 12 Oct 2017 10:03:10 +0900 (10:03 +0900)

shortlog

12 days ago	Jeonghoon Park	add feature for adconvert and sound sensor	66/154166/3	master	commit	commitdiff	tree	snapshot
2017-10-01	Eunyoung Lee	Change peripheral io APIs	49/153849/1		commit	commitdiff	tree	snapshot
2017-09-12	Jin Yoon	Use a conf file to get 'path' and 'address'	69/149169/1		commit	commitdiff	tree	snapshot
2017-09-11	Jeonghoon Park	apply coding rule	22/148922/1		commit	commitdiff	tree	snapshot
2017-09-07	Geunsun, Lee	Reverse the out value of the gas sensor			commit	commitdiff	tree	snapshot
2017-09-07	Jin Yoon	Sync between position-finder-server & bangbang-sensor-pi			commit	commitdiff	tree	snapshot
2017-09-07	Jin Yoon	Merge branch 'master' of ssh://review.tizen.org:29418...			commit	commitdiff	tree	snapshot
2017-09-07	Jin Yoon	Sync between master and template			commit	commitdiff	tree	snapshot
2017-09-07	Jin Yoon	Merge branch 'master' of ssh://review.tizen.org:29418...			commit	commitdiff	tree	snapshot
2017-09-06	Jeonghoon Park	add resource APIs for the rain sensor	69/148069/1		commit	commitdiff	tree	snapshot
2017-09-06	Eunyoung Lee	Implemented APIs for the tilt sensor	50/148050/2		commit	commitdiff	tree	snapshot
2017-09-06	Eunyoung Lee	Implemented APIs for the sound detection sensor	40/148040/2		commit	commitdiff	tree	snapshot
2017-09-05	Jin Yoon	Add the 'webutil' feature into the Server	04/147604/2		commit	commitdiff	tree	snapshot
2017-09-05	Jin Yoon	Add the 'webutil' feature into the Server	04/147604/1		commit	commitdiff	tree	snapshot
2017-09-04	Eunyoung Lee	Implemented APIs for the flame sensor	23/147323/2		commit	commitdiff	tree	snapshot
2017-09-01	Geunsun, Lee	Implement APIs for the vibration sensor			commit	commitdiff	tree	snapshot

Required Level



- Need
 - C Language(Beginner Level)
- No need
 - Raspberry Pi & Sensor
 - Tizen Platform
 - IoT



https://facebook.com/groups/tizentalks

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Facebook group page for Tizen Talks.

Header: Tizen Talks | Jin Yoon | Search bar

Left Sidebar:

- Tizen Talks
- 공개 그룹
- 토론
- 멤버
- 이벤트
- 사진
- 파일
- 그룹 인사이드
- 그룹 관리
- 이 그룹 검색
- 바르가기
- Tizen Talks

Main Content Area:

Header: The OS of Everything. Tizen is the open-source operating system for all device areas.

Mobile, Wearable, In-Vehicle Infotainment

Buttons: 가입함, 알림, 공유하기

Actions: 게시물 작성, 사진/동영상 추가, 라이브 방송, 더보기

Post: 이근선님이 사진첩에 사진 45장을 추가했습니다: 20170830 Tizen Talks. 9월 4일. 2017년 8월 30일. Tizen Talks. 삼성전자 서울 R&D 캠퍼스 D타워 1층 대강의실.

Right Sidebar:

멤버 추가: + 이름이나 이메일 주소를 입력하세요...

멤버: 316명

추천 멤버: 김기영, 이신정, 강병주

설명: 'Tizen, 확산, 성공적' 타이젠 플랫폼과 오픈소스를 함께 나누기 위한 공간입니다.

태그: 타이젠

위치: 위치 추가

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