

Smart Water

ICTP-Workshop on New Frontiers in Internet of Things

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Team Members

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Outline

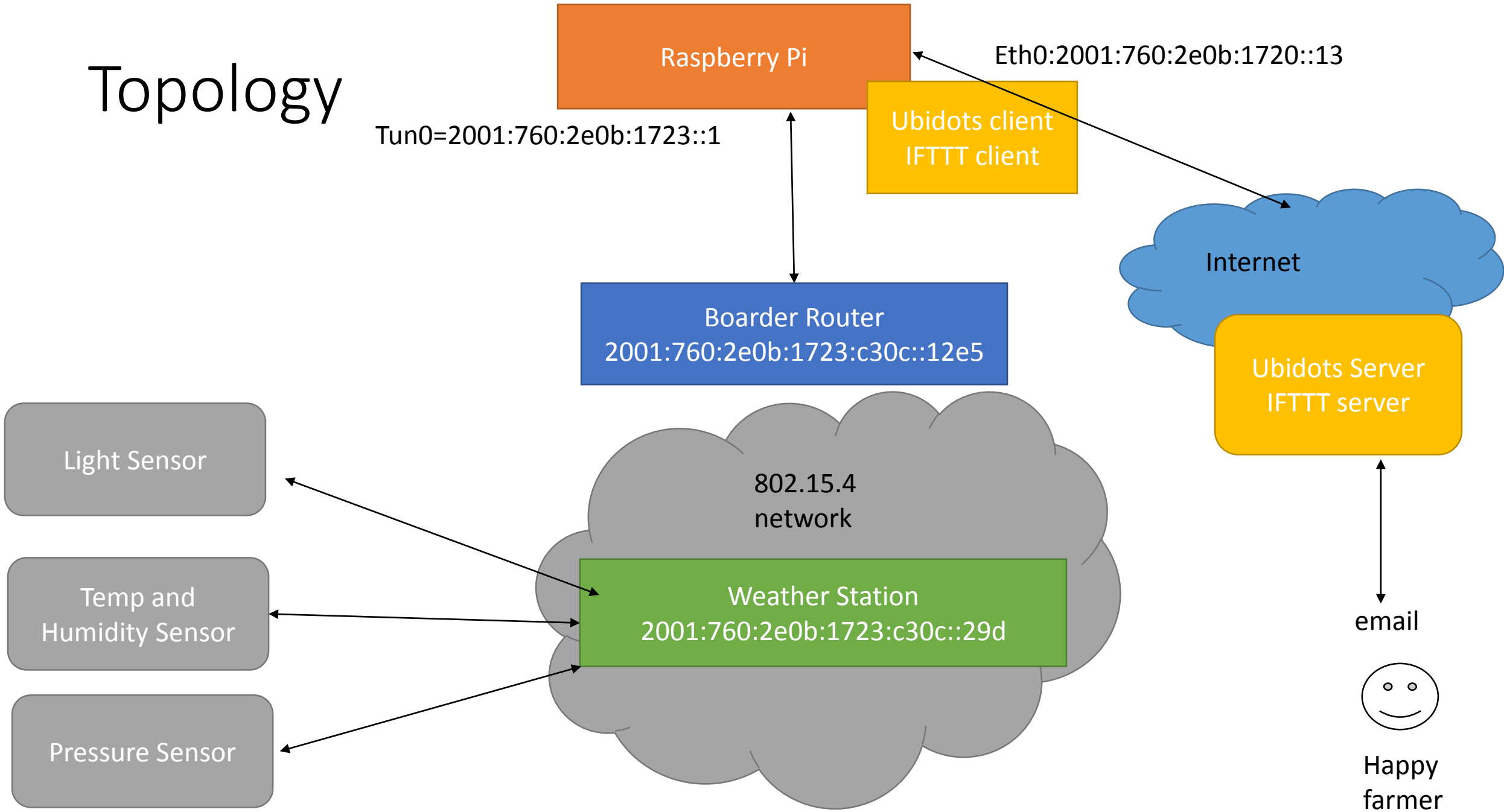
- Introduction
- Topology
- methodology
- Demo

Introduction

- Farmers in developing countries follow traditional methods to predict weather conditions for their cultivations.
- But advanced accurate measurements can help them to properly decide **WHEN** to plant and **WHAT** to plant.
- Smart water application is to predict rain and provide recommendations on cultivation.



Topology



Methodology

- ✓ Weather station monitor readings from sensors for every 30 seconds.
- ✓ Then it sends data to Ubidots client and IFTTT client running on host.
- ✓ Host sends data to Ubidots server and IFTTT server in the cloud.
- ✓ **IFTTT server** is configured to **send emails** to users who have subscribed to service.
- ✓ And **Ubidots server** gives **graphical representation** of data

Pending:

- Currently we send reading from sensors.
- Instead, we can develop an application to process sensor readings and provide more meaningful predictions to users.
- User can be alerted via SMS and data can be fed to a web portal as well.

THANK YOU