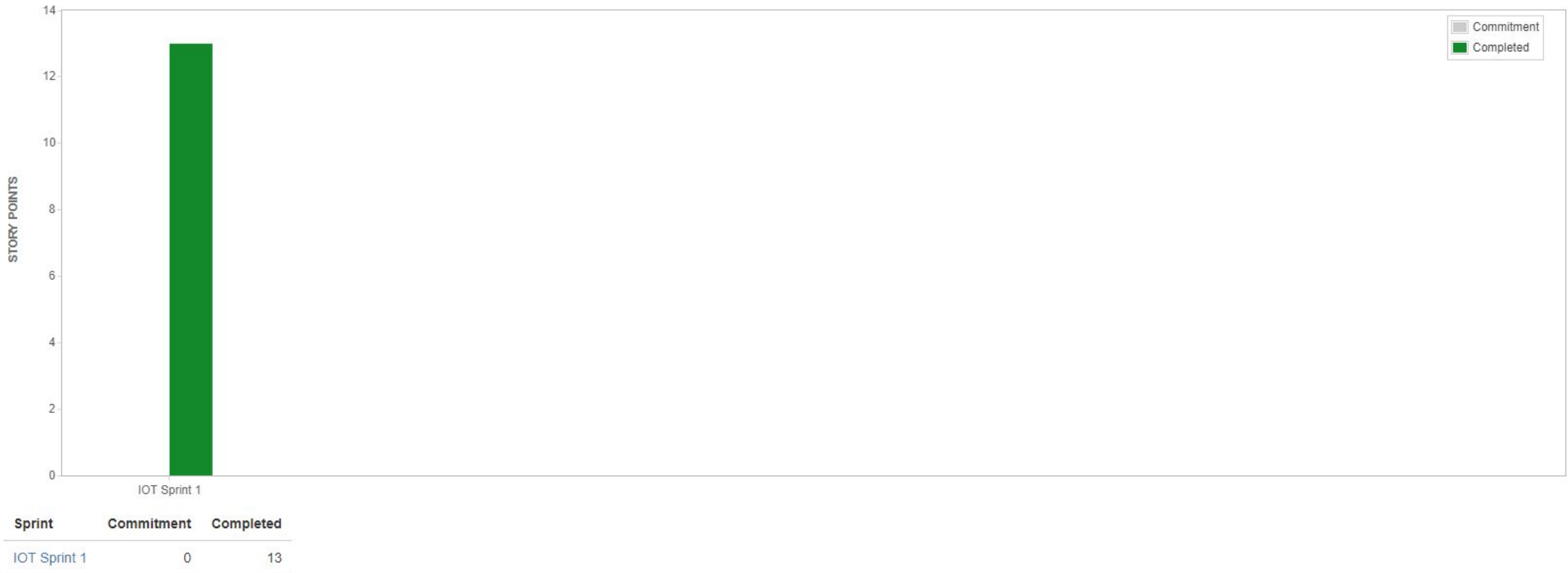# SPRINT 2

# Sprint 2 – Epics and Stories

► **Stories for Epic - ComoNeo Digital Inputs**

 ► **Load RTUexe** (Sory Points – 8, Story Owner – Igor Labát)

 ► **RTU and CPU Communication** (Sory Points – 5, Story Owner – Filip Starý)

 ► **Create a Test** (Sory Points – 13, Story Owner – Marián Ján Franko)

► **Stories for Epic - IoTester Refactoring**

 ► **Analyze Board** (Sory Points – 8, Story Owner – Miroslav Sabo)

► **Stories without Epic**

 ► **Methodics** (Sory Points – 3, Story Owner – Stanislav Širka)

# Team Velocity



▶ **This sprint 32 story points?**

# Storie – Load RTUexe

- Epic - ComoNeo Digital Inputs
- Story points – 8
- Story Owner - Igor Labát
- Previous sprints – Sprint 1
- Description
  - As - a user
  - I need to - do a real time simulation
  - To - be able to simulate sensor measurements
- Product owner acceptance criteria
  - Loading of the program to the real time unit will be shown on Linux console

# Storie – Load RTUexe

- Tasks Backlog
  - …
- Tasks In Progress
  - …
- Done Tasks
  - …

Inštalácia a konfigurácia Code Composer Studio úspešná, kód je možné skompilovať a vygenerovať *.bin* súbor ktorý je následne potrebné spustiť na BBB.

Linkovanie .bin súborov v poriadku. Problém nastáva pri spustení *loader* aplikácie, ktorá je zodpovedná za poslanie programu do PRU.

FIX: povoliť PRU v BBB

# Storie - RTU and CPU Communication

- ▶ Epic - ComoNeo Digital Inputs
- ▶ Story points – 5
- ▶ Story Owner - Filip Starý
- ▶ Previous sprints – Sprint 1
- ▶ Description
  - ▶ As - a user
  - ▶ I need to - configure real time simulation
  - ▶ To - run various simulations
- ▶ Product owner acceptance criteria
  - ▶ RTU and CPU prototype is running on Beaglebone Linux console

# Storie - RTU and CPU Communication

- Tasks Backlog
  - Analyze PRU communication on BBB
  - Install Composer Studio
  - Link PRU program on BBB
- Tasks In Progress
  - Link PRU program on BBB
- Done Tasks
  - Analyze PRU communication on BBB
  - Install Composer Studio

# Storie - Create a Test

- ▶ Epic - ComoNeo Digital Inputs
- ▶ Story points – 13
- ▶ Story Owner - Marián Ján Franko
- ▶ Previous sprints – Sprint 1
- ▶ Description
  - ▶ As - a user
  - ▶ I want to - test the ComoNeo digital input
- ▶ Product owner acceptance criteria
  - ▶ Test configures IoTester (library for IoTester configuration will be implemented in different user story)
  - ▶ Test checks the ComoNeo web application if the digital input was set

# Storie - Create a Test

- ► Tasks Backlog
  - ► …
- ► Tasks In Progress
  - ► ComoNeo digital input test
- ► Done Tasks
  - ► …

# Storie – Create a Test – ComoNeo digital input test

► postupne sme si osvojili prácu z RF, pozreli viacero návodov a zanalyzovali už existujúce testy (Kistleru)

► **PROBLÉM:** Como bolo dostupné iba chvíľkovo, je potreba vytvoriť virtuálnu inštanciu Coma + potreba nastavenia vývojového prostredia a importovanie knižníc využívaných pri už existujúcich testoch, nakoľko sa nepodarila ich kompilácia.

► **Ako ďalej:** Verím, že vzniknuté komplikácie vyriešme spolu s Lukášom v priebehu najbližšieho stretnutia. Očakávam, že v priebehu stretnutia bude hotová väčšia časť Storie a na jej úplné dokončenie bude postačovať jeden deň.

# Storie - Analyze Board

▶ Epic - IoTester Refactoring

▶ Story points – 8

▶ Story Owner – Miroslav Sabo

▶ Previous sprints – Sprint 1

▶ Description

    ▶ As - a hardware engineer

    ▶ I need to - analyse the current board

    ▶ To - be able to make the final design

▶ Product owner acceptance criteria

    ▶ Document the current design of the board

# Storie - Analyze Board

- Tasks Backlog

  - …

- Tasks In Progress

  - …

- Done Tasks

  - …

# Storie - Methodics

► Story without Epic

► Story points – 3

► Story Owner – Stanislav Širka

► Description

  ► As - a team member

  ► I want to – follow defined rules

  ► So – that I make a minimal number of conflicts in team processes

► Team acceptance criteria

  ► Create  and share methodic documents on Team Web (Meeting Documentation, Tasks Managment, Methodics, Code Versioning, Web Managment)

# Storie - Methodics

► Tasks Backlog

  ► Create methodic for Meeting Documentation

  ► Create methodic for Web Managment

► Tasks In Progress

  ► Create methodic for Tasks Managment

  ► Create methodic for Methodics

  ► Create methodic for Code Versioning

► Done Tasks

# Retrospective

- Jira Project Limitations
  - Bad: Limitovany sme moznostami v Jire, nakolko su uz prednastavene sablony
  - Idea: Odkomunikovat s Jira adminom pre mozne zmeny v IoT projekte
- Product Owner Tasks
  - Bad: Nevieme v akom stave su ulohy Product Ownera
  - Idea: Pridavat ulohy Product Ownera do Jire

# Discussion Time