Plenum Session II

Praktikum Big Data Science SS 2017
• Fixed dates
  • 03.05. Kickoff-Meeting
  • 10.05. Planning of Sprint 0
  • 24.05. End of Sprint 0, Planning of Sprint 1
  • 07.06. End of Sprint 1, Planning of Sprint 2
  • 21.06. End of Sprint 2, Planning of Sprint 3
  • 05.07. End of Sprint 3, Planning of Sprint 4
  • 19.07. End of Sprint 4, Final presentations

• Today
  • 14:00 – 15:00: Plenum Session
  • 15:00 – 17:00: Sprint planning with your supervisor
• Groups

• Scrum

• GitLab & JIRA

• OpenNebula

• Sprint Planning
• **Group 1: Eagle Eye**
  • Topic: Search Engine
  • Supervisor: Sebastian Schmoll
• **Group 2: Die flinken Apachen**
  • Topic: Subspace Clustering
  • Supervisor: Daniyal Kazempour
• **Group 3: Samba**
  • Topic: Small Data
  • Supervisor: Evgeniy Faerman
• **Group 4: Deep Thought**
  • Topic: Graph Learning
  • Supervisor: Julian Busch
Scrum - Roles

• Roles
  • Development Team (DT) You
    • Responsible for a technically successful and maintainable product
    • Produces the code and ships a product increment by the end of each sprint
    • Different skill sets - shared responsibility
      • Members cross-train each other
    • Organize and manage their work by themselves
  • Product Owner (PO) Your Supervisor
    • Responsible for the economical success of the project
    • Product Backlog management and prioritization of items
    • Connection to customers and business
  • Scrum Master (SM) Your Supervisor
    • Responsible for the successful Scrum process
    • Organization and moderation of meetings
Scrum - Meetings

- **Meetings**
  - **Sprint Planning** (DT, PO, SM) 1h
    - Check availability of the team (SM)
    - Select and prioritize product backlog entries (PO)
    - Create a sprint backlog
      - Break down backlog items into smaller tasks
      - Estimate effort involved for each task \(\rightarrow\) Planning Poker
      - Decide, what can be realized during the sprint and create a sprint backlog
  - **Daily Scrum / Stand-up** (DT, SM) 15min
    - Clarify the following questions:
      - What did I do to reach the sprint goal?
      - Which impediments did I face?
      - What will I do next to reach the sprint goal?
Scrum - Meetings

• **Sprint Review** (DT, PO, SM) 30min
  • Inspect & Adapt for the product
  • Presentation of the sprint results (DT)
  • Collection of feedback for the product (PO)
  • Adaptation of the product backlog (PO)

• **Sprint Retrospective** (DT, PO, SM) 15min
  • Inspect & Adapt for the next sprint
  • Questions:
    • What went well during the sprint?
    • What could we improve for the next sprint?
  • Identify and agree on process improvement actions
• **Schedule**
  
  • Every 2 weeks (Wed. 14:00 – 16:00)
    • Sprint Review 30min
    • Sprint Retrospective 15min
    • Sprint Planning 1h
  
  • Regularly (on appointment with your supervisor)
    • Stand-up 15min
  
  • Location: Upon agreement with your supervisor.
**Log-in**

- Link: [http://kythera.dbs.ifi.lmu.de:8080](http://kythera.dbs.ifi.lmu.de:8080)
- Username: Your Lastname
- Password: enrollment number (please change asap)
- VPN required
• Issues
  • 3 Types: Product Backlog, Sprint Backlog, TeamWork
  • Links:
    • Child/Parent of: Links between Product/Sprint Backlog
  • Subtasks:
    • Use for TeamWork in Sprint Backlog issues
  • Assignee
    • Person who solved this issue
• Use time tracking
• Will be considered for individual grading
• **Log-in**
  - Link: [https://gitlab.cip.ifi.lmu.de](https://gitlab.cip.ifi.lmu.de)
  - Credentials: CIP (see CIP conf)
  - Check Project Group/team-name

• **Clone Repository**

• **Demo**
  - Screen recording will be uploaded on the website
• Demo

• You should start with playing around a bit by yourselves

• We have prepared a short tutorial for setting up a basic Flink cluster

• Accounts
  • We have registered one LRZ account for each group
  • Each account is associated with a budget
    • You have limited resources, be mindful and handle them responsibly and efficiently! (e.g. undeploy your VMs when you don’t need them anymore)
    • If you need additional resources for your experiments, talk to us
• Time schedule for today
  • 14:00 – 15:00: Plenum Session
  • 15:00 – 17:00: Sprint planning with your supervisor

• Meet with your supervisor

• Goals for today:
  • Setup and configuration of GitLab and JIRA
  • Planning of Sprint 0:
    • Theoretical preparation of your topic
    • Setup of a Flink cluster in OpenNebula