Agile Mindset and Programming

Using Agile learnings to improve individual skills

Neil Smith
Agile Practitioner
THE PERFECT TEAM
AGILE MINDSET
KNOWLEDGE WORK
PROGRAMMING IMPROVEMENTS
FOCUS FOR TODAY

● Getting work to flow
● How to prioritize work
● How to improve
HANDLING INPUT
GETTING INTO THE FLOW

Figure 1
The quality of experience as a function of the relationship between challenges and skills. Optimal experience, or flow, occurs when both variables are high.

Sources: Adapted from Massimini & Carli 1988; Csikszentmihalyi 1990.
AGILE

- Visualize your work
- Get all of it out there
- Pull your work
KANBAN
CAN YOU MULTITASK?

- Can you count under pressure?
WIP LIMITS
KNOW THY TIME

- Record what you do
- Analyse your time
- Adjust your schedule
  - Delete, Delegate, Do
PERSONAL KANBAN

AIP Kanban

Kanban board

QUICK FILTERS:  Only My Issues  Recently Updated

5 Epics

- AIP-1
  - Core Kernel Bugzilla Grafana instance
- AIP-10
  - Get Summit Presentation done and out
- AIP-18
  - Core Kernel Training

12 To Do

- AIP-7
  - Review 8.1 Confluence numbers for Networking
- AIP-9
  - Update Realtime action items from quarterly planning - to follow new format
- AIP-16
  - Application for advanced filter plugin

1 In Progress  Max 2

- AIP-45
  - Get the slides now updated with content
  - Summit Presentation

17 of 27 Done

- AIP-11
  - Fill out budget info for asks for FY20
- AIP-12
  - Review new product flow for Factory
- AIP-13
  - Respond to email from Jane on Summit Presentation
  - Summit Presentation

#redhat #rhsummit
EAT AN ELEPHANT?
KANBAN CALCULATIONS

- **Lead time**
  - How long it takes for a request to move to complete

- **Throughput**
  - Number of things done during a time period
LET IT FLOW

NO IRC

NO EMAIL

NO WEB
MY FLOW NUMBERS

● My leadtime
  ○ 2.5 days per issue average

● My throughput
  ○ 14 issues / 2 weeks
CEREMONIES
PRIORITIZE
WHAT TO DO NEXT?
## UPPER RIGHT QUADRANT

<table>
<thead>
<tr>
<th>Important</th>
<th>Urgent</th>
<th>Quadrant I</th>
<th>Urgent and important DO</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not Important</td>
<td>Not Urgent</td>
<td>Quadrant II</td>
<td>not urgent but important PLAN</td>
</tr>
<tr>
<td>Important</td>
<td>Urgent</td>
<td>Quadrant III</td>
<td>urgent but not important DELEGATE</td>
</tr>
<tr>
<td>Not Important</td>
<td>Not Urgent</td>
<td>Quadrant IV</td>
<td>not urgent and not important ELIMINATE</td>
</tr>
</tbody>
</table>
FIRST THINGS FIRST

“The reason why so few executives concentrate is the difficulty of setting “posteriorities” - that is deciding what tasks not to tackle - and of sticking to the decision” Drucker
COST OF DELAY

- Determine delay costs in order to prioritize
  - It will cost you the most to try to deliver everything at once
  - Pick the most expensive to delay things to do first
THE GOAL
EAT THE FROG FIRST
REAL OPTIONS

- Options have value
- Options expire
- Don’t commit early
PRACTICE
PLAN DO CHECK ACT
IMPROVING

- Practice
- Training
- Change workflow
- Alter environment
KATA
TRAINING

- Have goals
- Allocate time
- Have some expected results from your training
MAKING CHANGES

- Have initial flow measured
- Improve your work intake to be able to pull work
- Remove waste from your individual processes
HYPOTHESIS

We believe __________________________ [doing this]
for __________________________ [these people]
will achieve __________________________ [this outcome/impact]

We will test that by...
- Experiment 1
- Experiment 2
- Experiment 3

We will know the hypothesis is valid if by ______.____ we get...

Quantitative measurable outcome

Tim Herbig
@herbigt
We believe keyboard and screen technique training will increase capability to groom faster in Jira for myself will achieve decrease in grooming time by 15 min with same throughput.

We will test that by...
- Measure how many items we get through in current grooming/ increase throughput by 33% over 2 months
- After 2 months be able to do grooming in 30 min rather than 15 min with similar throughput.

We will know the hypothesis is valid if by 6.23.2019 we get...
- Quantitative measurable outcome: Can reduce time it takes to get through grooming by 15 min
- Quantitative measurable outcome: Can increase grooming throughput by 33%
SUMMARY

- Get into and measure flow
- Know what to work on
- Schedule time to improve
THANK YOU

linkedin.com/company/Red-Hat
youtube.com/user/RedHatVideos
facebook.com/RedHatInc
twitter.com/RedHat