

Kanban

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Topics to Cover:



- 1. What is Kanban?
- 2. Why use Kanban?
- 3. Area of focus for the VADOC
- 4. Process Improvements
- 5. Initial
- 5. Retrospectives



What is Kanban? かんばん(看板)



- OVirginia:
- 1. Start with existing process
- 2. Agree to pursue incremental, evolutionary change
- 3. Respect the current process, roles, responsibilities and titles
- 4. Leadership at all levels

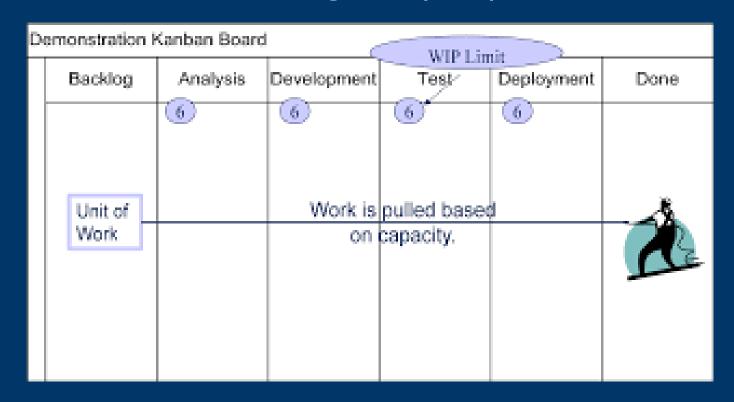


1. Visualize the work

New	Analysis		Design		Development		QA	
	In Process	Done	In Process	Done	In Process	Done	In Process	Done
Feature	Feature	Feature	Feature	Feature	Feature	Feature	Feature	
Feature	Feature	Feature	Feature	Feature	Feature	Feature	Feature	
Feature	Feature	Feature	Feature	Feature	Feature	Feature	Feature	
	Feature		Feature		Feature	Feature	Feature	
					Feature	Feature	1	
					I I I			

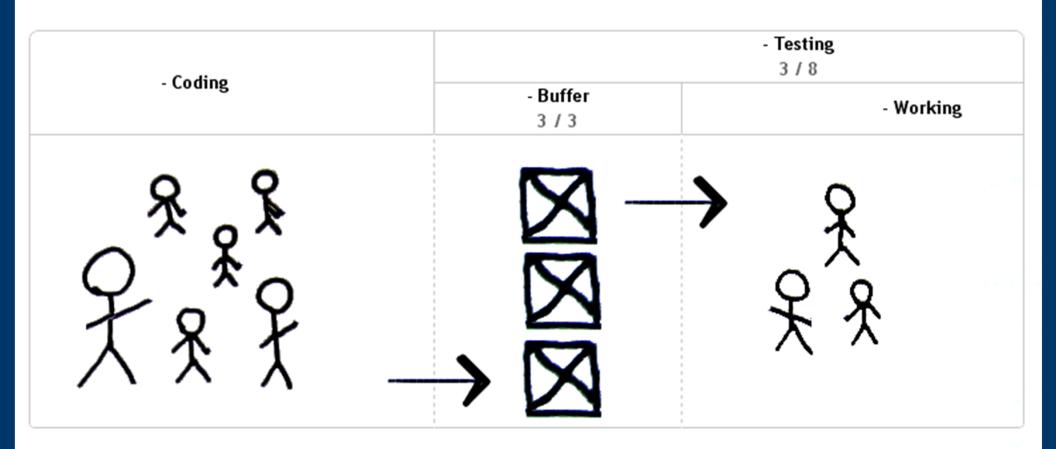


2. Limit Work in Progress (WIP)

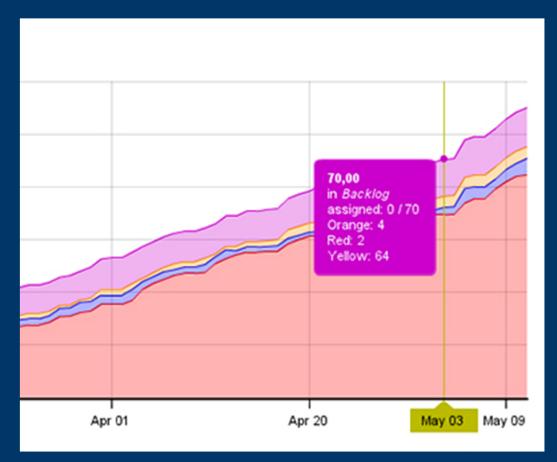




3. Manage the Flow - Don't Push too hard, pull



4. Use, monitor, adapt and improve





Report Delivery Problems:



Problems include:

- Users frustrated that reports were taking too long (45+days)
- Some users frustrated that their reports were not prioritized
- Analysts frustrated at the lack of a defined process
- Developers are unsure what priority is
- Developers indicate no one tests their reports
- •Team is frustrated that reports are built, but no one is using them
- Managers say we are understaffed

Report Building Process Improvement

Statistics

- We receive approximately 24 report request per month
- 288 on average per year
- Average time to implement report prior to Kanban was 45 days

Improvements

 Stand ups and Visible board increase visibility for technicians, managers and business stakeholders

Report Building Process Improvement

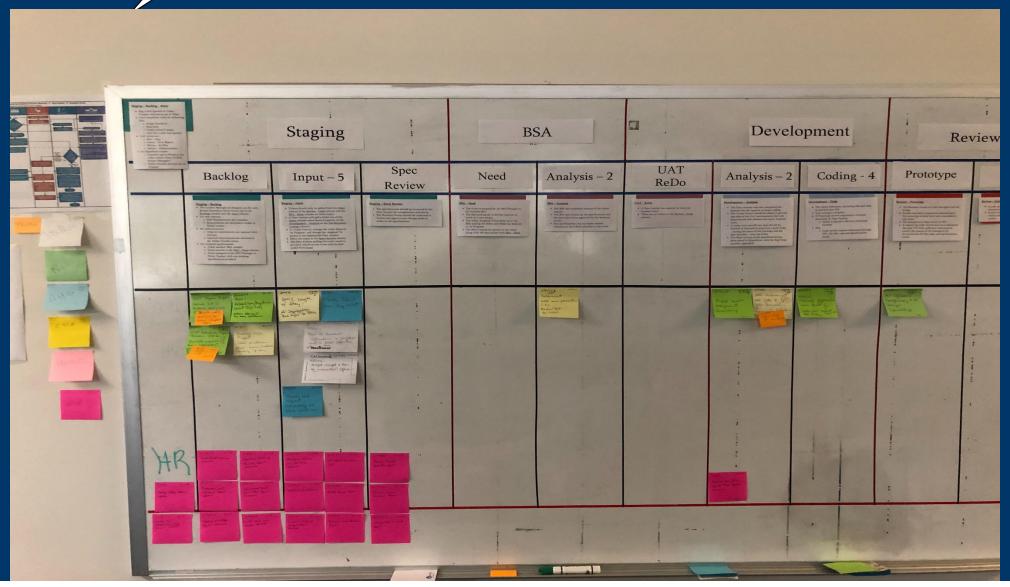
Improvements

- We have reduced the amount of expedited reports
- Business users are now negotiating among themselves on prioritization instead of IT making the decision
- Customer Satisfaction has increased
- Report turn around time is 23 days compared to 45 days

- Backlog
- •Input Queue
- •Analysis
- Columns on Kanban Board

- •Dev
- Code Review
- Testing
- Deployment





Picture of DOC Kanban Board



Need

Analysis – 2

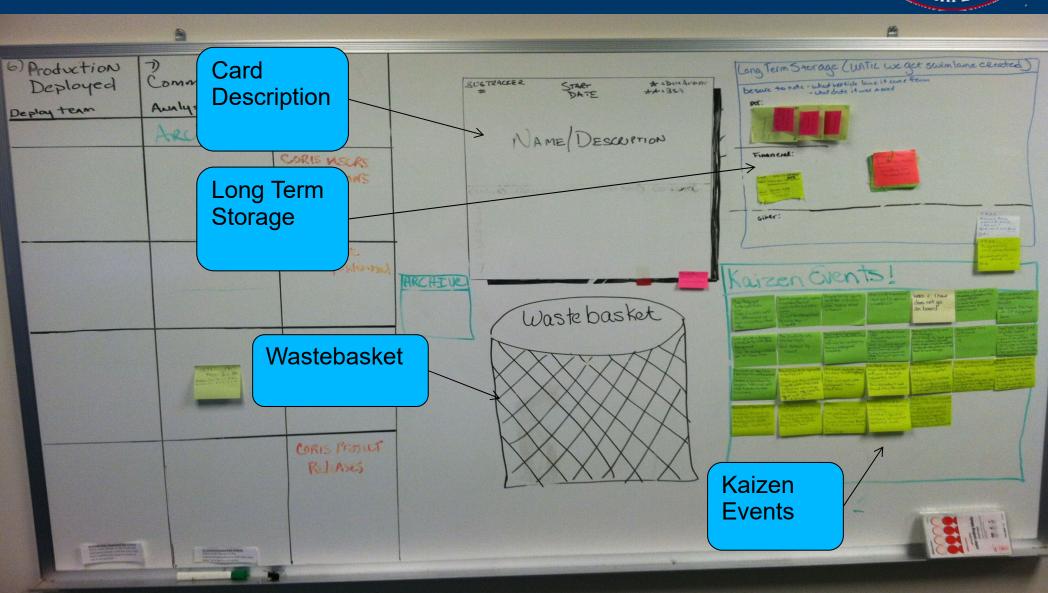
BSA - Need

- The ticket is assigned by the BSA Manager to an available BSA
- The BSA pulling the ticket has capacity to work on a new project
- The ticket Assigned To has been set to the BSA pulling the ticket and Status has been set to 'In Progress'
- The BSA's initials are placed on the ticket along with the date pulled from BSA – Need

BSA - Analysis

- The BSA has completed analysis of the ticket request
- The BSA has written up the specifications and the specs have been approved by the business owner
- The specifications and any other related information have been attached to the ticket





Retrospectives:



- We now have a very defined process that works really well. We went from a bi-weekly retrospective to meeting once a quarter.
- We utilized a "Lean Coffee" technique in retrospectives



Retrospectives:

KAIZAN EVENTS

when is it ok to exceed with - Must get AZs approval to exceed WIP

WORK & I hour does not go on board

Moretrequent Ketrospectives

Every Zweeks until its determined we don't need them that work waiting for UtT deployment over bading der wip Att Replace Dev Done with lift deplyment Queue

Keconsider Dev timis 91W

accurate reflected on the Kanban Board?

It must be in the UAT envisor most to be in bread no The

Recycle bin for reports cancelled mid-way Waste basket ADDED to board

Signate project Wit complete itemstern the WIP limits/metricsotother

This will be accomplished by using tags in Leanlith

More Visability into Kan ban Stats Host Metrics by board

Come up with a kelease Schodule for WAT/PROD deploument

ZACC to develop schooling and let team know

Should dute onticket

Does DCE Statt pull only DCE tickets

ynne = Tim will be assigned to work on any DE Fickets on the Doast as of 7/11-everything else goes into the backing and transformation and mores

Access For Pulling work into Analysis

Offwill telage the input queue twice a week (T, Th) and MARK ticket either DA ORBSA to indirate who works on it and that its been telegad

what is the criteria rur expliciting a ticket be date entered into

ticletteacher or decte maied to input queue? Jody to approve all expedities.

Joduis the only one who can put the expidite ticket on & willingback it antered the nedate itwas added

Involute on ticket should be the dute input queue

Who maves tickets from Nowthat devidere no

Need Report deployment bugger

This will be resolved by having adeployment Schedulle.

bugrewar Should include

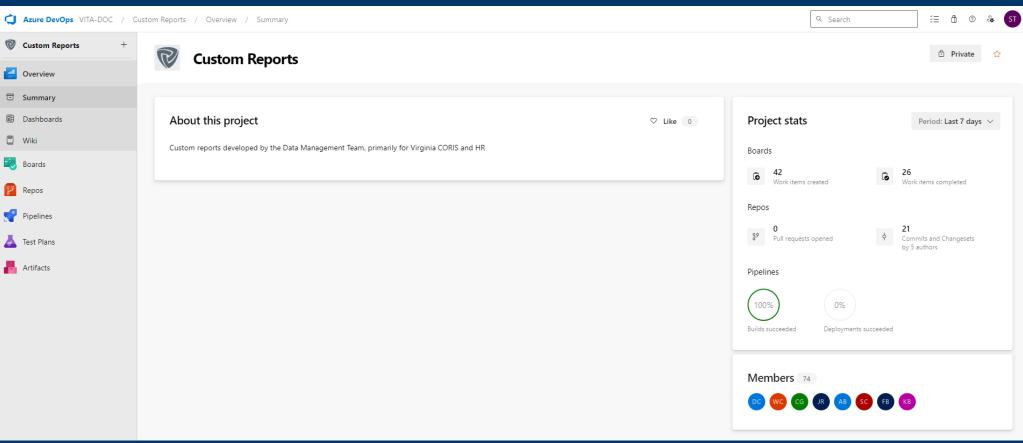
Ch Rework should execute Newticket etablak they are higher

martytran new work syntiem t enhancements (as etimined by DA) get a new

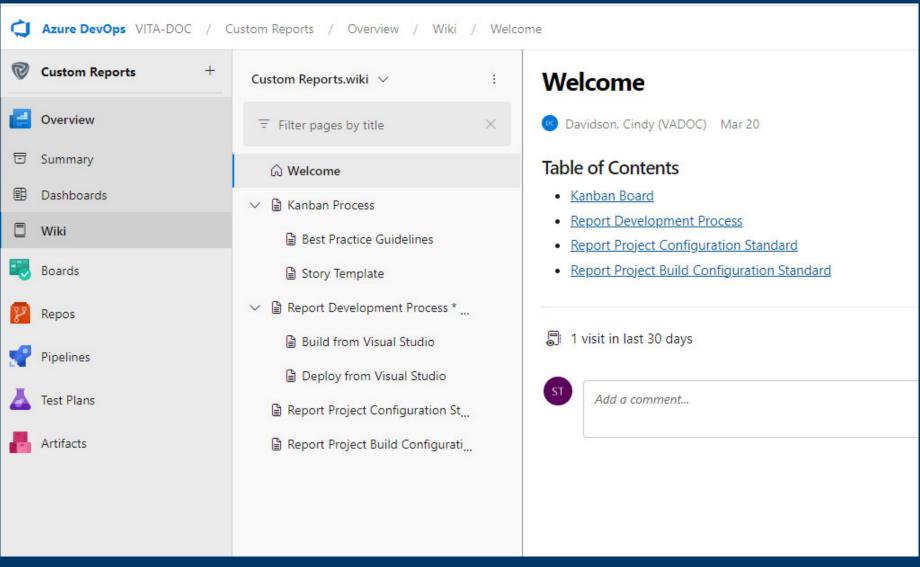


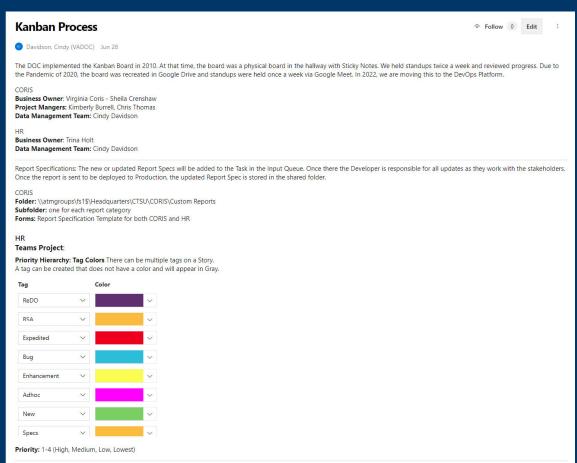
- Move from white board & stickies to Azure DevOps
- Defined process outlined in DevOps Wiki for business partners, dev team, etc.
- Business partners trained on how to add stories to the board
- Weekly standup to report movement/impediments on board
- Retrospectives now held quarterly to improve process
- Business partners = Happy partners!











Process Flow:

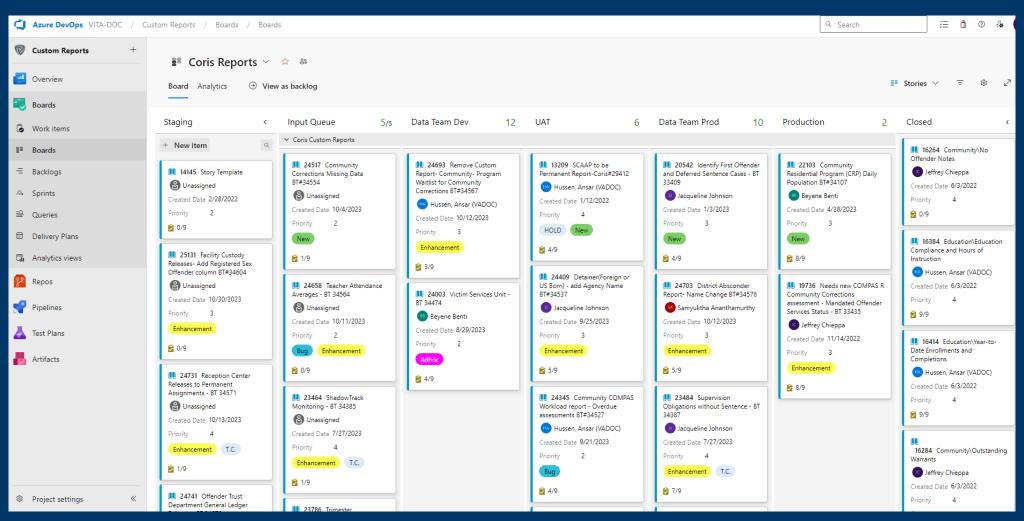
- . CORIS Project Managers will keep track of their work in Coris Ticket.
- . HR will create a Story in Devops.
- The Data Team will only use DevOps.

Process Flow Diagram C

Team	System	Board Column	Description
CORIS Manager	Email or Ticket		Requests for reports and adhoc are sent to the Virginia Coris Team and entered on a Coris Ticket for approval
Project Manager	Ticket / DevOps	Staging	PM will create a Coris Bug Tracker Ticket and assign to Coris Manager. Once approved, they will create a new Story in the Staging column in DevOps
Project Manager	DevOps	Input Queue	Project Managers will review the staging tickets and move the Stories into the Input Queue as per the WIP limits. The Report Specs will be attached to this Task.







Conclusions:



- Easy to implement (KISS Principal)
- Low Cost to implement
- Increase visibility and communications
- Increase business participation
- Defines a process and encourages continuous improvement
- Clearly shows where barriers/blocks have occurred