Who has used Tasks in ArcGIS Pro?

Show of hands
What You Will Learn From This Session

Spoiler: A Lot!

• As a User:
  - Helpful tricks to run Tasks efficiently
  - Maximize as much screen real estate as possible

• As an Author
  - Create Steps that utilize the correct Step Behavior
  - Fully understand the power of Step Actions
  - Embed Commands and preset parameters
  - Know when and how to use Step Palettes
  - How to share your work with your organization
  - And much more!
Let’s Use A Task
Everyone Likes Shortcuts!

CTRL + Z will undo changes and will also go back to previous steps
Make Use of That Giant Monitor

• Minimize the Ribbon

• Close all other dock panes

• Collapse the list of Steps
What’s Up Dock?

- Undock the Tasks Pane
  - This prevents other panes from opening over tasks
  - Can move Task Pane to another monitor, give one screen a full Pro
Time to Design
Untether From the Dock at Set Sail

- Undock the Designer Pane
- Place the panes side by side
- If you have a 2\textsuperscript{nd} monitor, utilize it, place the Task Panes over there
Don’t Forget To Press Record

- Record your entire workflow
  - Use this to record your workflow by creating new steps for each command clicked. Press stop to end recording

- Record a single command
  - Use this to record and set a single command on the currently selected step
You Better Be on your Best Behavior

Manual Mode: Geoprocessing Tools / Modify Tools that you’ll run more than once

Auto Run: Selection Tool, Explorer Tool, Embedded Panes defaults

Auto Proceed: GP Tools / Modify Tools you want the user to run only once

Automatic: Hidden Tool activation, Scripts that don’t require user input
Ready, Set, Action!

• Actions are very powerful
• They can occur at 3 different times within a step
  - When starting the step
  - Prior to command execution
  - When exiting the step
• Note: Certain actions are limited based on time of execution
  - No verification when starting the step
  - Selections when starting the step are limited to features currently selected or created/modified
Demo: Actions in Action
Design Palettes Like an Artist

• A Palette is used when
  - Multiple commands need to be run an unknown amount of times
  - The sequence of command are unknown

• A Palette is a container for steps

• Each step in a palette functions identically to a step outside a palette (almost)

• Steps can be dragged in and out of palettes

• User sees the Palette Container Name
Demo: Palette for your Palate
Embed Your Mind With Embedding Commands

- No Pane, All Gain
- All Geoprocessing tools can be embedded
- Many other tools can be embedded
- Geoprocessing and some other tools can also have pre-set parameters when embedded
- Many embedded commands have specific step behavior
Hey Look! Locate Can Now Be Embedded

- Pre-set a locate search string
- Set which locate providers are enabled for a given step
- Existing Tasks will now have this functionality, just click Embed
Don’t Forget To View the Contents of View and Contents

- You can select multiple layers (and now tables) and change the properties of an entire column
- You can right click and make a single layer the only Visible, Selectable, Editable, etc.
- Note: Limit the amount of layers that are controlled each step. Use the “-” option more often
- Drag step up/down in Task Pane and click Previous Step to take another step’s contents
- Linking Views can now be done in the Views tab
Setting Snapping Properties is a... Snap

- Snapping properties can be changed on a step by step basis
- Each newly created step inherits previous snap properties
Sharing is Caring

- To share Tasks it’s important you share the entire project as a Project Package
- If you have custom GP Scripts or Add-Ins make sure they’ve been added to the project
Recourses for Broken Resources (Hey, that’s an anagram)

• Task Item references a layer that you don’t have
  - Re-map it
  - Remove it
• Task Item resources can be remapped at any time
• Resources include:
  - Maps
  - Layers
  - Geoprocessing Tools
  - GP Scripts, Models, Add-Ins
Woah, Why Am I Getting This Error?

- Sometimes during runtime a user might get an error like this:
- Remember commands are contextual
- Check to see if command is currently active
- Check to see if the Task can be performed outside of Tasks
Time to Make History

• Pro Backstage Options -> Tasks
• Create a New Table
  - Can be on SDE Database
  - Can use an existing Table that was used by another Project
• Using Charts you can display stats in a nice bar graph
• Does not record idle time
Summarized Summary

- Configure Vs. Customization: Consider Tasks before writing Add-Ins
- Tasks have an SDK (Open a Task Item and Open A Specific Task)
- Create Tasks that save time and improve quality
- Breakdown a long workflow into multiple Tasks
- Understand your workflow and build your Task from that
- Take your time and examine each step for efficiency and correctness
Technical Workshops

- **ArcGIS Pro Tasks Tips and Tricks**
  - Tue 7/11/2017, 11:00 AM - 11:30 AM, Tech Theater 17 Exhibit Hall A

- **ArcGIS Pro Tasks: An Introduction**
  - Tue 7/11/2017, 03:15 PM - 04:30 PM, Ballroom 06 B

- **ArcGIS Pro Tasks: An Introduction**
  - Wed 7/12/2017, 08:30 AM - 09:45 AM, Hilton - Sapphire Ballroom M/N

- **ArcGIS Pro Tasks Tips and Tricks**
  - Thu 7/13/2017, 11:00 AM - 11:30 AM, Tech Theater 17 Exhibit Hall A
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