Admin console

Interaction Design

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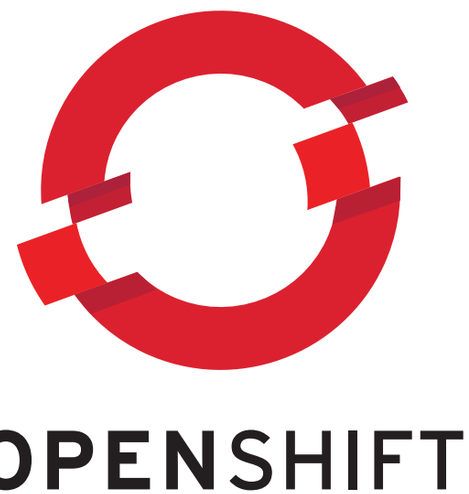


About this document

This document contains ideas for Admin console feature of OpenShift.

These exploratory wireframes are intended only to support the conversation about user stories agreed upon by Eng and PM. These wireframes do not indicate any specifIc implementation intent.

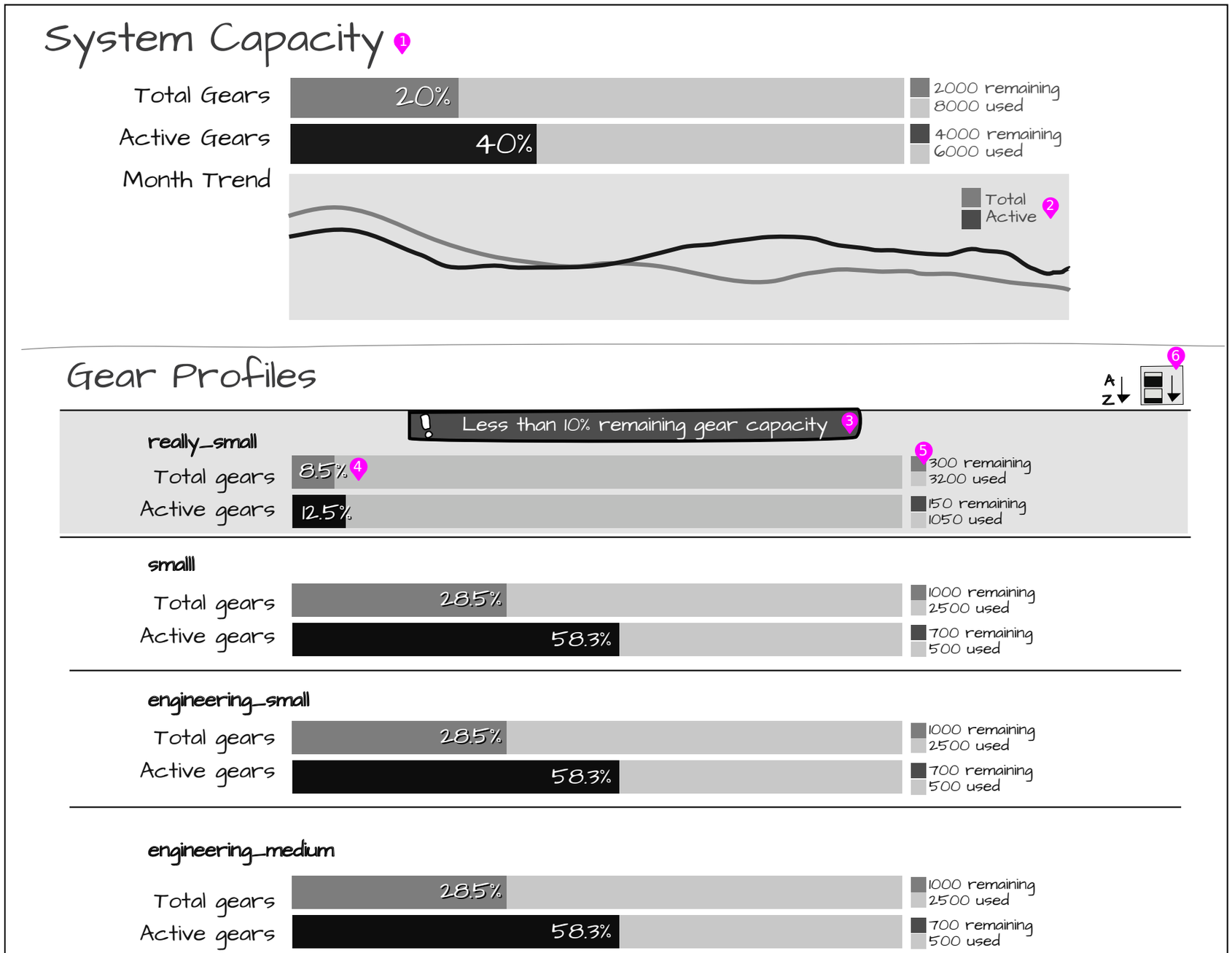
Project vision [DRAFT]

What are we trying to accomplish?
- Provide critical information to administers of OpenShift, so that they can more effectively plan capacity, track user activity, find errors, and perform other common administrative tasks.

Where can I find additional information and user stories?
- https://github.com/openshift/openshift-pep/blob/master/openshift-pep-001.md
- http://etherpad.corp.redhat.com/openshift-admin-console-user-stories

Document Change History

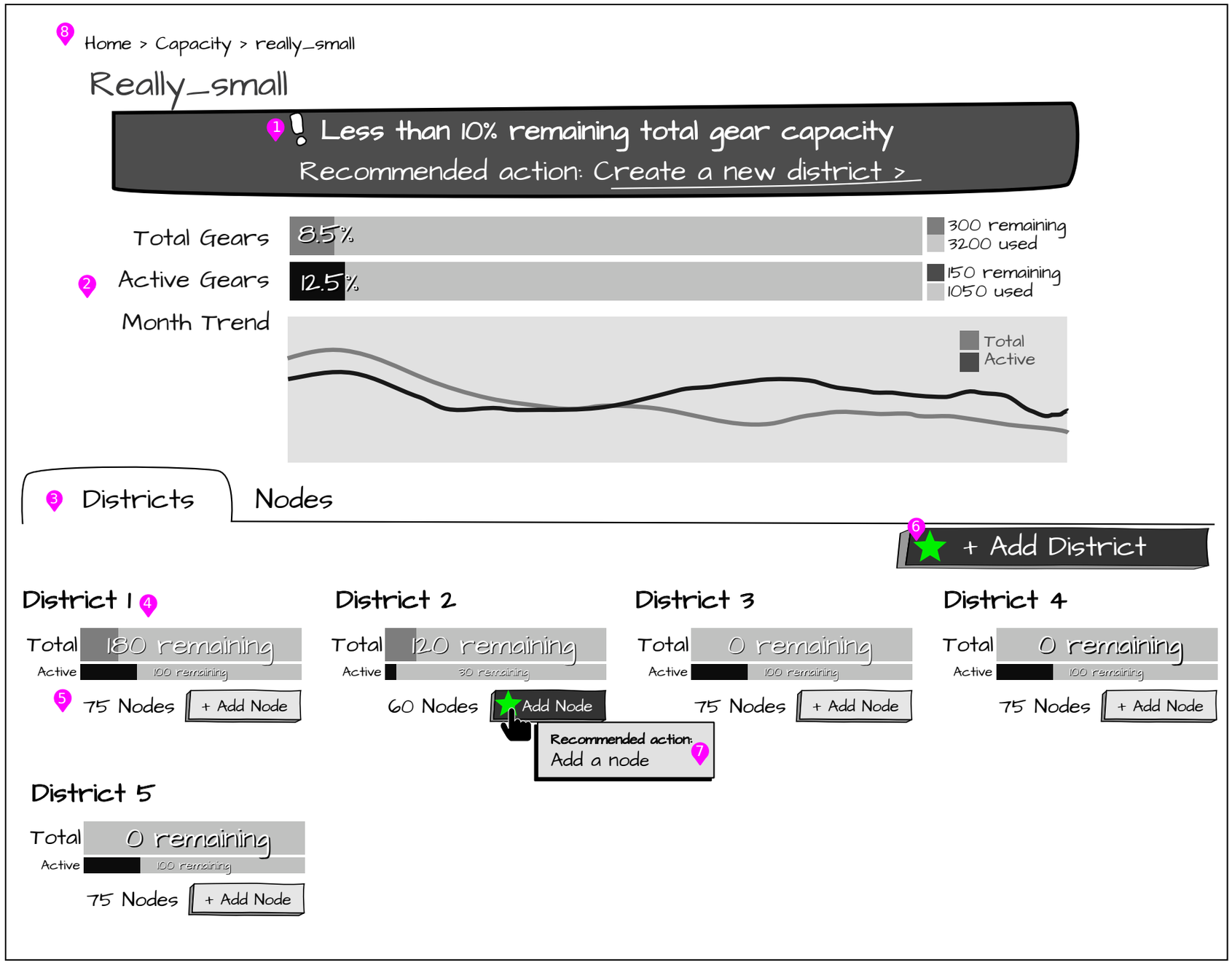
Date	Version Number	Author	Change Notes	Document Status
07-23-2013	0.2	Emily Dirsh	Revised capacity planning section based on email feedback	Draft
07-09-2013	0.1	Emily Dirsh	Reworked topology/capacity planning section to reflect better understanding of requirements	Draft



Capacity page

Capacity planning is important enough that it seems to warrant its own section. This is the capacity overview page, which shows capacity grouped by gear profile - because it's not so important that a particular district has run out of UUIDs as it is that the system cannot create any more of a particular kind of gear.

1. System capacity information gives an overview of system-wide capacity health
2. A month-long trendline for both capacity types gives admins an idea of how fast capacity is being used, so they can better plan for future usage.
3. Messaging and styling call out gear profiles that need attention. The message is specific in order to be more helpful.
4. The visualizations have different colors for different values, and includes explicit percentages, so users don't have to guess.
5. The actual numbers are included next to the visualizations, so users don't have to do the math themselves.
6. The list of gear profiles is sortable by both name and capacity



Gear profile capacity details

Drilling down into a gear profile gives you district-level capacity information.

1. Any call-out messaging for the gear profile is maintained on the gear profile page. The messaging also includes a recommended action to remedy the alert.

2. Gear profile capacity info is repeated on this page for reference, and also includes a month-long trendline for better planning.

3. Capacity details can be viewed by either districts or nodes. This keeps navigation a bit more shallow, and if a user is interested in districts, they can view districts, and ignore nodes, and vice versa.

4. District-level information is presented consistently with previous visualizations, but with much more emphasis on the total gear capacity.

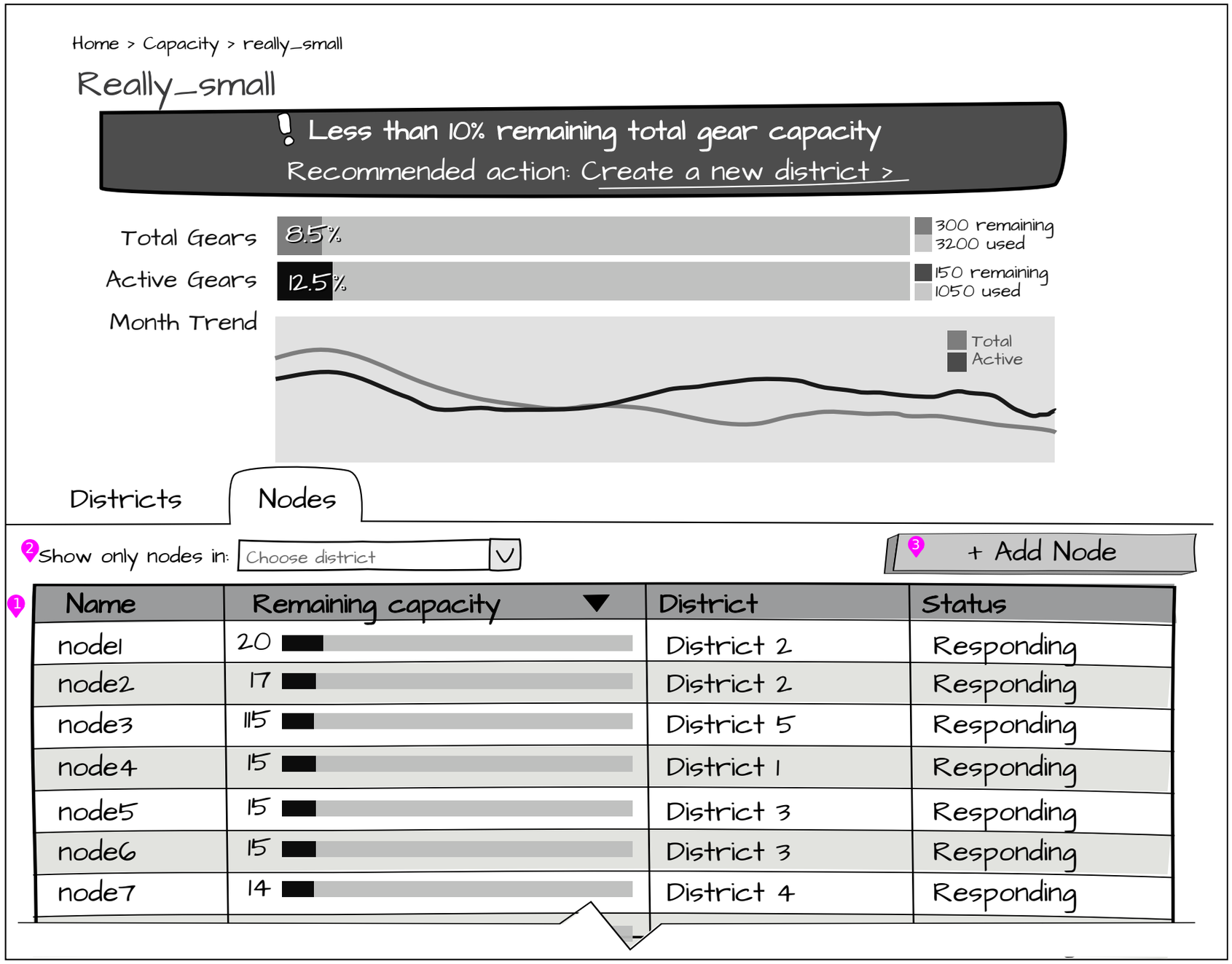
5. Node information is included, as well as the ability to go ahead and add a district to a node from this view.

6. Adding a district is also possible from this page. This button is also a different color and has a star icon, as it is a recommended action.

   Actions turn into recommended actions based on a set of predetermined (possibly configurable) algorithms. The recommended actions are called out with just an icon and style change, so that they are easy to ignore if the user chooses to do so. It's like clippy, but much less annoying.

7. Recommended actions have tooltips on hover. The tool-tip explains that it is recommended, and could even include information about why it is recommended, and how to configure it.

8. A breadcrumb helps with way-finding.



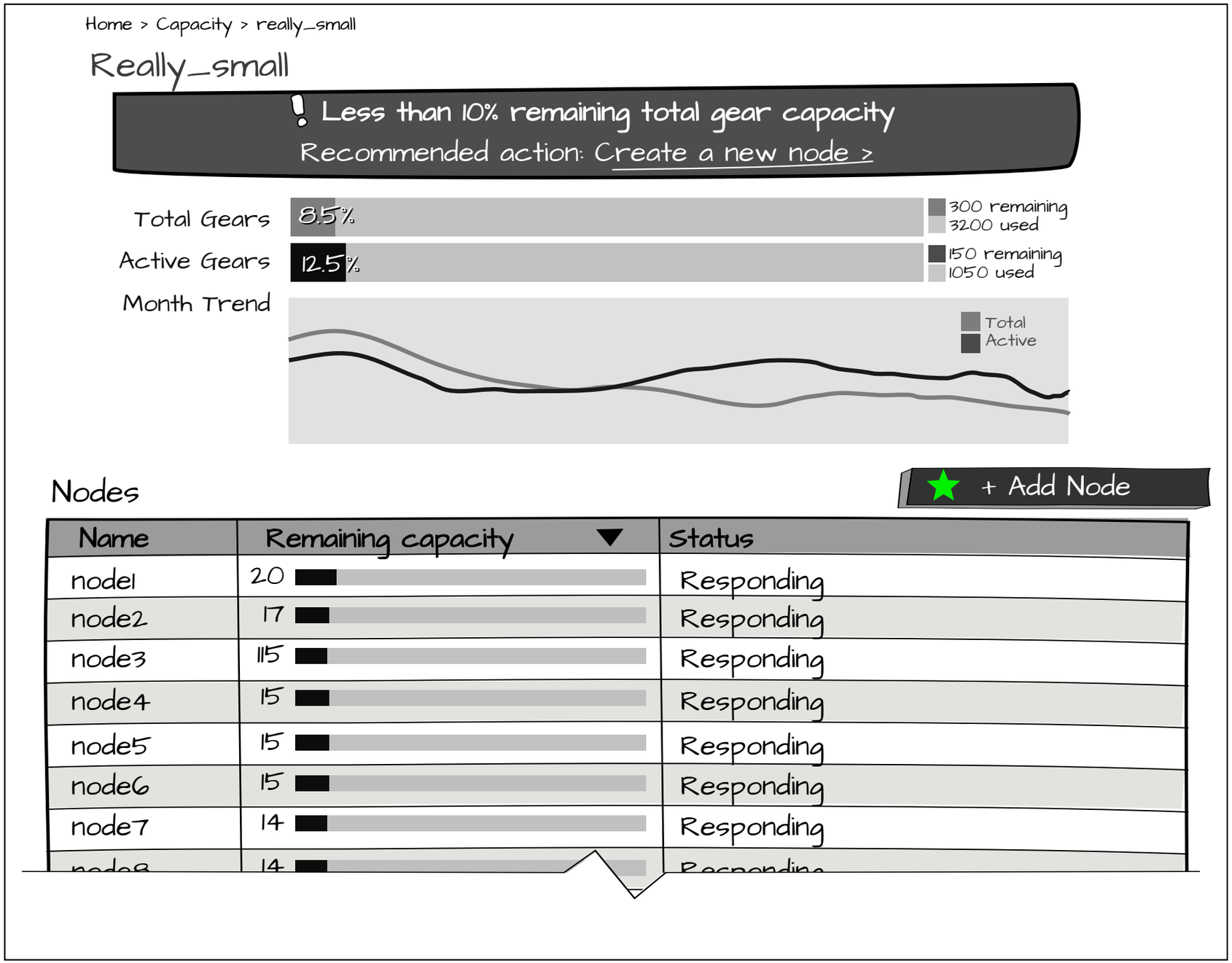
Gear profile details - Node tab

If a user needs to view nodes instead of districts, they can just switch to the node tab. The gear profile information on top stays the same, but the bottom view switches to a node table instead of the district list.

1. Nodes are listed in a sortable table, so that they can easily be arranged in the most useful way to the user. The table includes a very compact capacity visualization. Since there are potentially thousands of nodes, a table is a scalable and compact presentation.

2. Since districts are a natural grouping for nodes, allow filtering nodes based on district.

3. Allow the user to manually create a new node here - or at least give the user the commands to run.



Gear profile with no districts

If the install isn't using districts, just show the node table - without the tabs or the filtering option.