

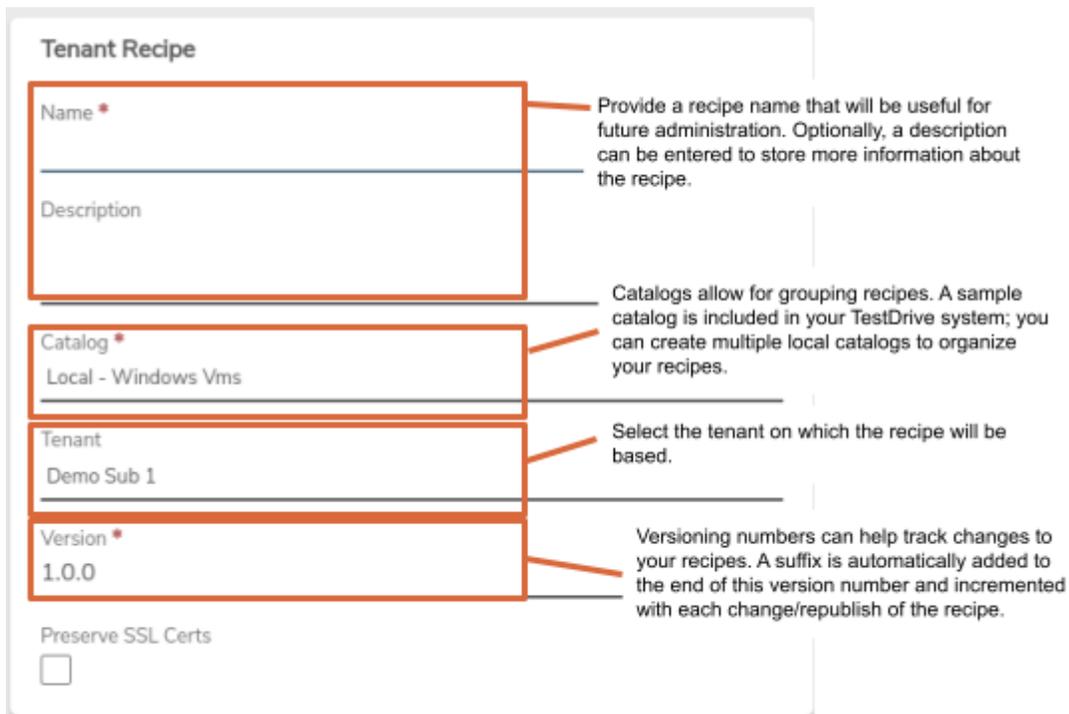
The Verge.io Recipe Engine can be used to create complete tenants based on templates. Recipes speed up your customer deployment; you can spin up new virtual data centers with just a few clicks and automate associated tasks.

## Automation Examples:

- establish necessary compliancy (VDC template that is already certified compliant)
- construct new internal networks
- generate random passwords
- create firewall rules
- assign external IP addresses from an established address pool
- configure expiration periods (for example 30 day trials)
- register dhcp and DNS entries
- send email notifications
- set unique passwords, hostnames, usernames, etc per instance

## Create a Tenant Recipe:

- **Build a tenant to serve as the base**; include VMs and any configuration that should be part of the recipe template. The tenant must be powered off prior to creating the recipe.
- Navigate to the Tenant Recipes Dashboard (**Home -> Catalogs -> Tenant Recipes**)
- Click **New** on the left menu.



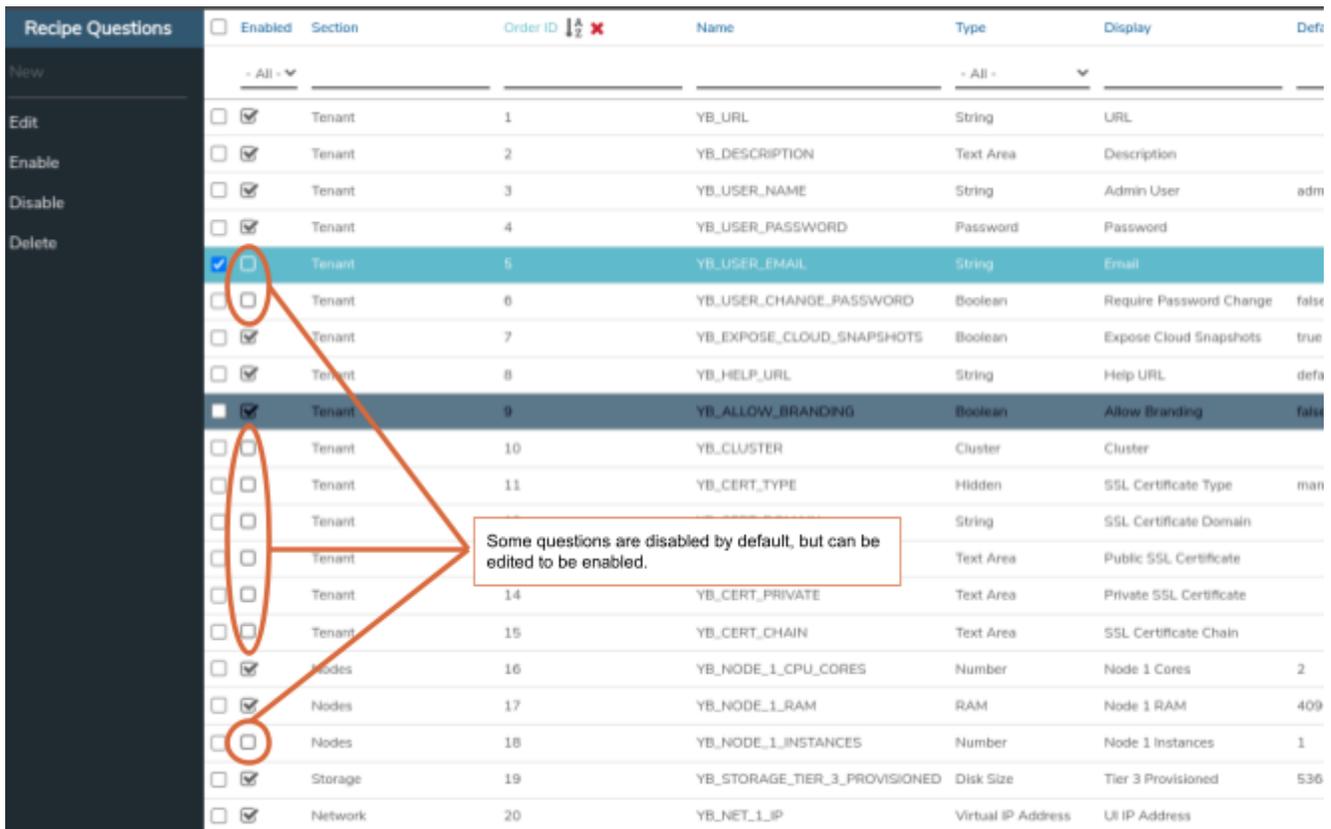
The screenshot shows a 'Tenant Recipe' form with the following fields and annotations:

- Name \***: A text input field with a red asterisk. An annotation points to it: "Provide a recipe name that will be useful for future administration. Optionally, a description can be entered to store more information about the recipe."
- Description**: A text area below the name field.
- Catalog \***: A dropdown menu showing "Local - Windows Vms" with a red asterisk. An annotation points to it: "Catalogs allow for grouping recipes. A sample catalog is included in your TestDrive system; you can create multiple local catalogs to organize your recipes."
- Tenant**: A dropdown menu showing "Demo Sub 1". An annotation points to it: "Select the tenant on which the recipe will be based."
- Version \***: A text input field showing "1.0.0" with a red asterisk. An annotation points to it: "Versioning numbers can help track changes to your recipes. A suffix is automatically added to the end of this version number and incremented with each change/republish of the recipe."
- Preserve SSL Certs**: A checkbox that is currently unchecked.

## Tailor Tenant Recipe Questions:

Recipe questions are used to customize each tenant deployed from the recipe. Recipe questions can gather all types of information which can then be used to: find/add/edit entries in your Verge.io database, initiate tasks (such as automatically registering SSL certificates, sending emails, etc.); and send variable inputs to cloud init scripts to perform work inside your VM guests (such as configuring application usernames/passwords, hostnames, etc.).

A series of recipe questions is created automatically to help you get started. You can adjust and add to the default question list to uniquely tailor the recipe to streamline your organization's workflow.



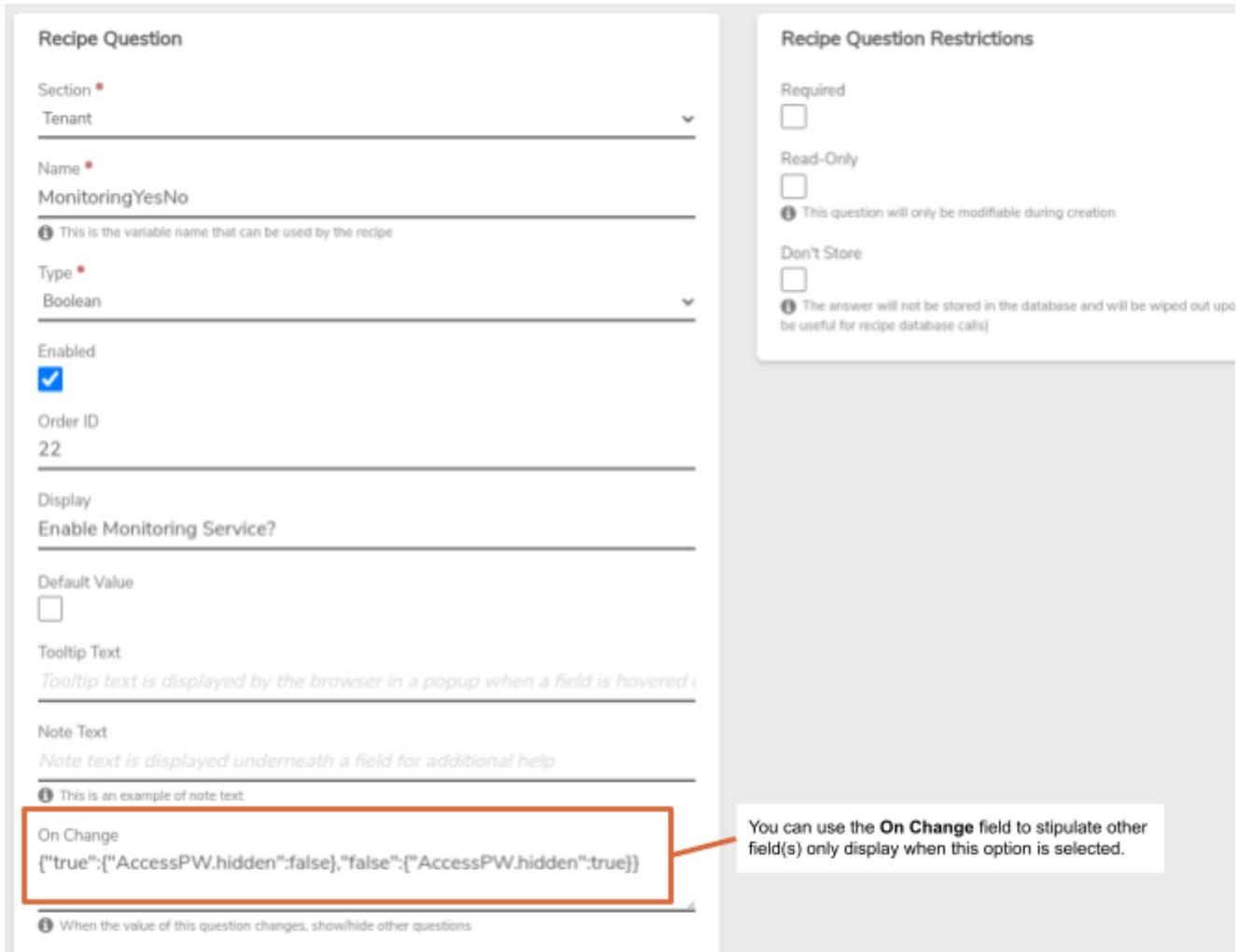
| Recipe Questions | Enabled                             | Section | Order ID | Name                          | Type               | Display                 | Def   |
|------------------|-------------------------------------|---------|----------|-------------------------------|--------------------|-------------------------|-------|
| New              | - All -                             |         |          |                               | - All -            |                         |       |
| Edit             | <input checked="" type="checkbox"/> | Tenant  | 1        | YB_URL                        | String             | URL                     |       |
| Enable           | <input checked="" type="checkbox"/> | Tenant  | 2        | YB_DESCRIPTION                | Text Area          | Description             |       |
| Disable          | <input checked="" type="checkbox"/> | Tenant  | 3        | YB_USER_NAME                  | String             | Admin User              | adm   |
| Delete           | <input checked="" type="checkbox"/> | Tenant  | 4        | YB_USER_PASSWORD              | Password           | Password                |       |
|                  | <input checked="" type="checkbox"/> | Tenant  | 5        | YB_USER_EMAIL                 | String             | Email                   |       |
|                  | <input type="checkbox"/>            | Tenant  | 6        | YB_USER_CHANGE_PASSWORD       | Boolean            | Require Password Change | false |
|                  | <input checked="" type="checkbox"/> | Tenant  | 7        | YB_EXPOSE_CLOUD_SNAPSHOTS     | Boolean            | Expose Cloud Snapshots  | true  |
|                  | <input checked="" type="checkbox"/> | Tenant  | 8        | YB_HELP_URL                   | String             | Help URL                | defa  |
|                  | <input checked="" type="checkbox"/> | Tenant  | 9        | YB_ALLOW_BRANDING             | Boolean            | Allow Branding          | fa    |
|                  | <input type="checkbox"/>            | Tenant  | 10       | YB_CLUSTER                    | Cluster            | Cluster                 |       |
|                  | <input type="checkbox"/>            | Tenant  | 11       | YB_CERT_TYPE                  | Hidden             | SSL Certificate Type    | man   |
|                  | <input type="checkbox"/>            | Tenant  |          |                               | String             | SSL Certificate Domain  |       |
|                  | <input type="checkbox"/>            | Tenant  |          |                               | Text Area          | Public SSL Certificate  |       |
|                  | <input type="checkbox"/>            | Tenant  | 14       | YB_CERT_PRIVATE               | Text Area          | Private SSL Certificate |       |
|                  | <input type="checkbox"/>            | Tenant  | 15       | YB_CERT_CHAIN                 | Text Area          | SSL Certificate Chain   |       |
|                  | <input checked="" type="checkbox"/> | Nodes   | 16       | YB_NODE_1_CPU_CORES           | Number             | Node 1 Cores            | 2     |
|                  | <input checked="" type="checkbox"/> | Nodes   | 17       | YB_NODE_1_RAM                 | RAM                | Node 1 RAM              | 409   |
|                  | <input type="checkbox"/>            | Nodes   | 18       | YB_NODE_1_INSTANCES           | Number             | Node 1 Instances        | 1     |
|                  | <input checked="" type="checkbox"/> | Storage | 19       | YB_STORAGE_TIER_3_PROVISIONED | Disk Size          | Tier 3 Provisioned      | 536   |
|                  | <input checked="" type="checkbox"/> | Network | 20       | YB_NET_1_IP                   | Virtual IP Address | UI IP Address           |       |

## Enable a Disabled Recipe Question:

YB\_\* named questions are built-in helpers for common questions to interface with the Verge.io database. Some of the automatically-created questions are included as samples (not enabled); you can enable any questions that you want to use. For example, in the screenshot above, **YB\_USER\_EMAIL** is disabled; enabling this question will allow defining an address that could be used for sending email notifications/alerts to the customer.

## Add Further Recipe Questions:

Attach additional questions to your recipe to suit your needs. As an example, let's say you wanted to offer an optional monitoring service to your customers, a checkbox input could be included to optionally select this service per tenant. In the following screenshot, we show an added a boolean (checkbox) option named *MonitoringYesNo* and configure the **On Change** value in order to display an additional entry field (to collect a password) only when the monitoring option is selected. The values of these added fields could then be referenced in cloud init scripts to make guest-level configurations.



**Recipe Question**

Section \*  
Tenant

Name \*  
MonitoringYesNo  
This is the variable name that can be used by the recipe

Type \*  
Boolean

Enabled

Order ID  
22

Display  
Enable Monitoring Service?

Default Value

Tooltip Text  
*Tooltip text is displayed by the browser in a popup when a field is hovered*

Note Text  
*Note text is displayed underneath a field for additional help*  
This is an example of note text

On Change  
`{"true":{"AccessPW.hidden":false},"false":{"AccessPW.hidden":true}}`  
When the value of this question changes, show/hide other questions

**Recipe Question Restrictions**

Required

Read-Only  
  
This question will only be modifiable during creation

Don't Store  
  
The answer will not be stored in the database and will be wiped out upon successful recipe database calls

You can use the **On Change** field to stipulate other field(s) only display when this option is selected.

- After making desired changes to recipe questions, click **Republish** on the left menu to make the updates available for use.

## Generate a New Tenant from Recipe:

- Navigate to the Tenants listing (**Home -> Tenants -> Tenants**).
- Click **New** on the left menu.

# Test Drive - Tenant Recipes



A list of Available Catalogs displays on the left. Select a catalog from the list. A list of recipes contained in the selected catalog displays on the right.

- Select the desired **Recipe** from the list on the right.
- Click **Next** (bottom of the screen).

Repository: Local  
Catalog: Tenants premium  
Recipe: PremiumTenantA

Name \*

URL

Description

Admin User \*  
admin

Password \*

Confirm Password \*

Expose Cloud Snapshots  
  
If set, the tenant will be able to request a snapshot of their system from your cloud snapshots

Help URL  
default

Allow Branding  
  
If set, the tenant will be able to customize colors and their logo

Enable Monitoring Service?

Node 1 Cores  
2

Node 1 RAM  
4

Storage  
Tier 3 Provisioned  
50

Network  
SSL Certificate Domain  
*This only applies to letsencrypt*

UI IP Address \*

**MonitoringYesNo**  
boolean field was an added question.

**Enable Monitoring Service?**

The **On Change** definition for the **MonitoringYesNo** field specifies displaying this additional input field when it is checked.

Monitoring Access Code

- The entry fields presented will be customized per the recipe questions you defined.
- When fields are completed as desired, click **Submit** to create the new tenant.

## Benefits

Customers use recipes to automate creation of individual VMs and complete virtual data centers that meet specific, pre-audited, compliance requirements. In fact our Test Drive feature is automated with recipes, including the reminders that your Test Drive is about to end.

## Further the Discovery

**To learn more use these other resources:**



Explore inline **Help** within your Test Drive System.  
( Access Help by clicking  in the top right corner.)



Browse additional Test Drive guides at <https://verge.io/documents/>



Contact [sales@verge.io](mailto:sales@verge.io) to schedule a full demonstration