

## What is a PRD (draft)

"PRD" is short for "Product Requirements Document". This is a document that contains all the requirements of a product or feature planned for a specific release.

This will determine what should be included and what shouldn't be included.

## Create PRD

When you create your PRD in Confluence:

- In the left sidebar, ensure you are in the *Requirements* page for your product.
- At the top, click ... beside the *Create* button.
- In the dialog box, select **SealCloud PRD Template**.

Use the template as a guideline to fill out your PRD. The bulk of the content should be in the *Requirements* section.

## Formatting

- Bold elements to be interacted with. This is typically a button or link, but can also be a toggle.
  - **Example:** To confirm the change, the user clicks **Save**.
  - **Example:** To enable the feature, the user clicks the **Bind** toggle.
- Italicize elements to be referred to.
  - **Example:** In the *Hosts* section, the user enters the app's host information.
- Underline important phrases, especially when something is not accepted.
  - **Example:** The field will not accept a copy and paste.
- For very important information, consider using a panel.

### Example of panel

This is an example of a panel for very important information.

- Use bullet points to break up ideas and content.

## Requirements section

### For a new product or feature (from 0)

- Describe the user story.
  - **Example:** the user wants to create a namespace to organize their apps and configs.

- Explain the smaller steps that need to be taken to achieve the user story.

### Example for new product

The user wants to create a namespace to organize their apps and configs.

The user clicks **Create namespace**. In the form, the user must enter:

- **Name:** the name of the namespace. This must follow the [general naming convention](#).
- **Availability zone:** the availability zone for the namespace.

Once done, the user clicks **Create**. The namespace will be created.

### For changes to existing product or feature (improvements)

This applies if the new feature relates to an existing product or screen.

- Describe the user story
- Explain the existing behavior if it is to be changed. If no change, no need to explain existing behavior.
- Explain the new behavior or new feature
- If not clear enough:
  - Explain the specific changes that need to be implemented
  - Explain what must not be changed

### Example for existing product

The user wants to bind EIP to their COS cluster.

Currently, for every K8s cluster created, a free EIP is bound to it. This EIP is not seen in the console and doesn't count towards the quota.

In this version, a user must choose to bind an EIP in their organization's quota to the COS cluster. When creating a cluster:

- In the *Network* section, the user selects an **EIP** (or **Sea LAN IP**, if the cluster is internal or in a Sea LAN subnet). They can also opt not to bind an EIP.
- The user must be warned that this is the only time an EIP can be bound.
  - Once the cluster is created, they cannot bind the EIP or Sea LAN IP.
  - If they bind an IP, it cannot be changed or unbound unless the cluster is deleted.

This field will not affect pod and service address ranges. Those fields must remain.

## Content formats for specific components

### For fields in a form

- Use one bullet point for each field
- Bold the field name with a colon
- Explain the field name
- If the name is very clear, there's no need to bold or have an explanation
- Consider the limitations for each field and link to [General Naming Conventions](#) on limitations for names. If your name has a special set of limitations, to include those as well.

### Examples for form

The following fields are needed to create a subnet:

1. **Name:**
  - Freestyle - [General Naming Conventions](#)
  - Name is editable
  - Name is unique per project
2. **IP Address Range:** CIDR format, for example, 10.0.0.0/24
3. **Availability Zone:**
  - [SeaCloud Deployment - Region / AZ / Cluster](#)
4. **Usage(Gateway Network):**
  - This selection will be only shown for internal organizations.
  - **Internal:** After this is selected, Sea LAN IP will be used.
  - **External:** For connecting via external network.

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When user clicks **Create account**, they are brought to a form in a dialog box:

**Account name:** identifier for account.

- [Match mySQL standard](#) (i.e. maximum 32 characters long, exclude reserved account names and keywords, alphanumeric with underscores). For example:
  - *The maximum length of your account name is 32 characters.*
  - *Your account name doesn't meet MySQL standards.*

**Password:** Must have two single line inputs for user to confirm the password.

- [Match mySQL standard](#) (i.e. maximum 32 characters long).
  - *The maximum length for your password is 32 characters.*

**Host:** radio button between *Allow any host* and *Allow restricted subnet*

- **Allow any host:** default option. User can connect from any IP address (depending on the *Security Group* firewall whitelist).

- **Other option:** *Allow restricted subnet*. Input will be in IP addresses and will support "%".
  - Must check if it matches IP address format.
- Only one host per account

**Privileges:** select between *Grant all privileges* and *Customize privileges*. Default is *Grant all privileges*.

### For columns in a table

- Use one bullet point for each column header
- Bold the header with a colon
- Explain the header
- If it's clear, no need to bold or have explanation

### Example for table

In the *Clusters* table, show these columns:

- **Name**
- **AZ:** the availability zone of the cluster
- **Status:** the status of the cluster
- **Architecture:** the chosen architecture of the cluster
- **Specs:** the vCPU and memory of the cluster
- **Version:** the version of SQL they are running
- **Storage:** the storage used and left

### Terms for certain components

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