```
server <- function(input, output) {
    output$plot <- renderPlotly({
        plot_ly(diamonds[diamonds$cut == input$cut, ],
            x = ~ carat) |>
            add_histogram()
    })
```

Posit Connect Comparison to Shiny Server Open Source

Open Source Shiny Server provides a platform to host multiple Shiny applications on a single server. When you're ready, Posit Connect is a publishing platform for all the work your teams create in R and Python. Share Shiny applications, APIs, Quarto and R Markdown documents, Python-based content such as Flask, Dash, Streamlit, and Bokeh, and more in one convenient place.

Category	Description	Shiny Server Open Source	Posit Connect
Overview	Deploy R & Python Shiny applications	✓	✓
	Commercial License (not AGPL)		✓
	Posit Support		✓
	Push-button publishing, Git-backed deployment, or custom CI/CD		✓
	Deployment version history and roll backs		✓
	Deploy and access a wide variety of R and Python content, including reports, notebooks, websites, apps, models, and APIs		✓
	Scheduled updates and distribution of reports		✓
	Self-managed content - see and manage what you've published or can access from others		✓
	Professional Drivers - connect to some of the most popular databases		✓

CATEGORY	DESCRIPTION	SHINY SERVER OPEN SOURCE	POSIT CONNECT
Security	Deploy R & Python Shiny applications behind firewalls	✓	✓
	Controlled access via SSL and SAML, LDAP, Active Directory, OIDC or PAM		✓
Tuning and Scaling	Scale applications across multiple R or Python processes		✓
	Persistent processes for faster load times		✓
	Containerized content execution for Kubernetes		✓
Metrics and Management	Performance and resource metrics		✓
	Health check endpoint		✓

```r
library(shiny)
library(plotly)
library(gridlayout)
library(bslib)

ui <- grid_page(
   layout = c("header  header  ",
              "sidebar plot "),
   row_sizes = c("100px",
                 "1fr"),
   col_sizes = c("250px",
                 "1fr"),
   gap_size = "1rem",
   grid_card(
      area = "sidebar",
      card_header("Settings"),
      card_body_fill(
         selectInput(
            inputId = "cut",
            label = "Cut of Diamond",
            choices = list(
               "Fair" = "Fair",
               "Good" = "Good",
               "Very_Good" = "Very Good",
               "Premium" = "Premium",
               "Ideal" = "Ideal"
            ),
```