



# 实习-内嵌套环境和浏览器问题验证

## GitPOD内嵌套环境和浏览器问题验证

1. 主要目标：能够在公司gitpod环境内，在同一网络下访问内嵌浏览器，进行资源检索（例如访问wiki里的资料或验证前后端代码）

2. 配置流程：

示例代码：<https://github.com/XiangyDeng/gitpod-browser-image-test>

1. 配置.gitpod.Dockerfile，选用workspace-full-vnc作为gitpod的base image，并增加环境配置（例如安装net-tools工具）：

```
FROM gitpod/workspace-full-vnc

USER gitpod

## 配置环境
RUN sudo apt-get update && \
    sudo apt-get install -y \
        build-essential \
        curl \
        libasound2-dev \
        libcurl4-openssl-dev \
        libdbus-1-dev \
        libdbus-glib-1-dev \
        libdrm-dev \
        libgtk-3-dev \
        libpulse-dev \
        libpython3-dev \
        libx11-xcb-dev \
        libxt-dev \
        m4 \
        python3 \
        python3-dev \
        python3-pip \
        unzip \
        uuid \
        xvfb \
        zip \
        net-tools \
    && sudo rm -rf /var/lib/apt/lists/*
```

使用Dockerfile的形式

2. 配置.gitpod.yml文件，可选用为Dockerfile文件设置workspace的image，也可直接选用image：

```
# This image is built with the command below:
#
# ```
# docker build -f .gitpod/Dockerfile -t willdurand/gitpod-firefox-dev .
# ```
image:
  file: .gitpod.Dockerfile

tasks:
  # todo
  - name: startup
    before: |

    init: |

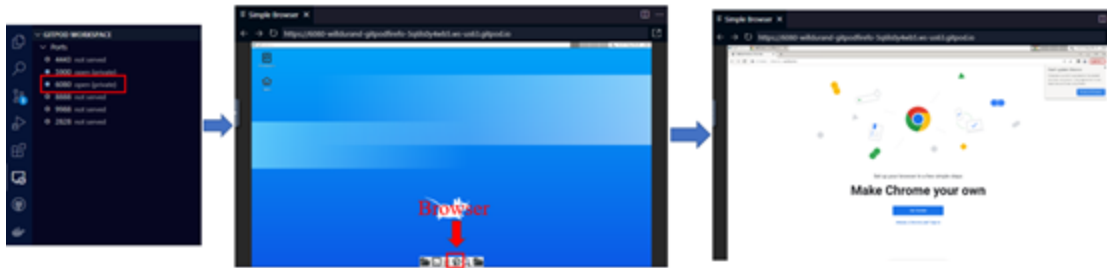
    command: |

ports:
# VNC
  - port: 5900
    onOpen: ignore
# VNC (web view)
# This is the port you should be using to interact with Firefox. It is a bit
# annoying to have it open at every workspace startup, though, so it is now
# ignored.
  - port: 6080
    onOpen: ignore

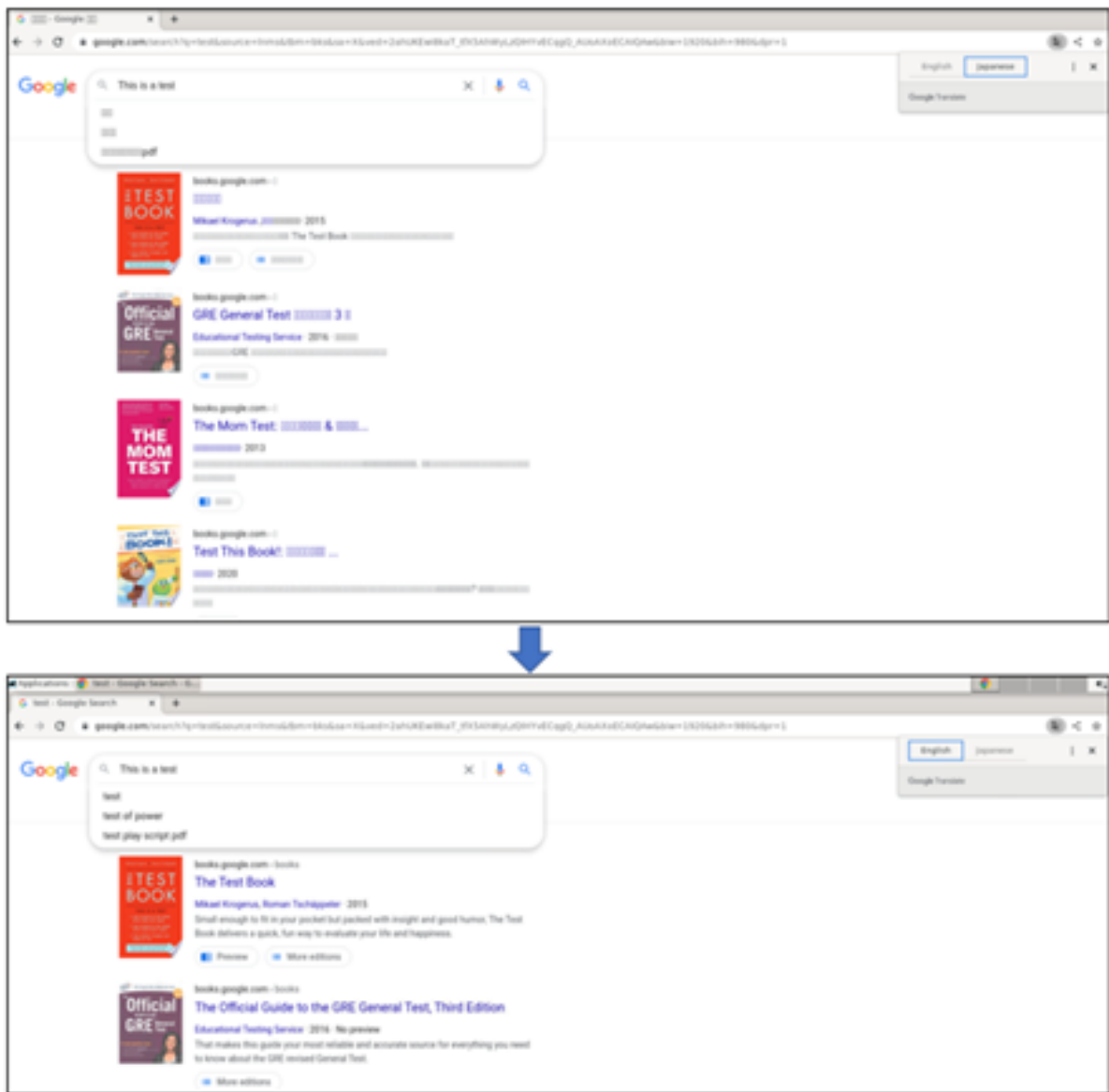
vscode:
  extensions:
    - dbaeumer.vscode-eslint
    - ecmel.vscode-html-css
    - esbenp.prettier-vscode
```

使用image的形式

3. 新建workspace后可从Gitpod的**6080**端口打开Simple Browser,并在vnc内打开chrome浏览器，可满足需求:



4. 若出现字符乱码问题，需要将chrome语言从“Japanese”切换为“English”:



参考资料：

1. Custom Docker Image : <https://www.gitpod.io/docs/config-docker>
2. .gitpod.yml Reference : <https://www.gitpod.io/docs/references/gitpod-yml#imagefile>