SCIDB: SETUP

REQUIRED STEPS

▸ It takes 10 min if you already have downloaded image and you know what to do

▸ Download and Install (single) Virtualization platform of yours choice

   ▸ VirtualBox 6.x (including Extension Pack)

   ▸ VMWare Fusion Player 12.x

   ▸ VMWare Workstation Player 16.x

▸ Download Image

▸ Import Image into Virtualization Platform

   ▸ Check hardware setup of the image to match your hardware setup

   ▸ Setup port forwarding (voluntary, prerequisite for ssh access)

▸ Run Image

   ▸ Sign In

   ▸ Start SciDB

▸ Use SSH (voluntary)

VIRTUALIZATION PLATFORM

▸ Select, download and install single preferred virtualization platform

▸ VirtualBox 6.x (macOS / Windows / Linux)

  ▸ https://www.virtualbox.org/wiki/Downloads

  ▸ Install also Oracle VM VirtualBox Extension Pack

  ▸ Download on the same page, then add it as an extension

INSTALL EXTENSION PACK

▸ Select, download and install single preferred virtualization platform

▸ VirtualBox 6.x (macOS / Windows / Linux)

  ▸ https://www.virtualbox.org/wiki/Downloads

  ▸ Install also Oracle VM VirtualBox Extension Pack

 ▸ Download on the same page, then add it as an extension
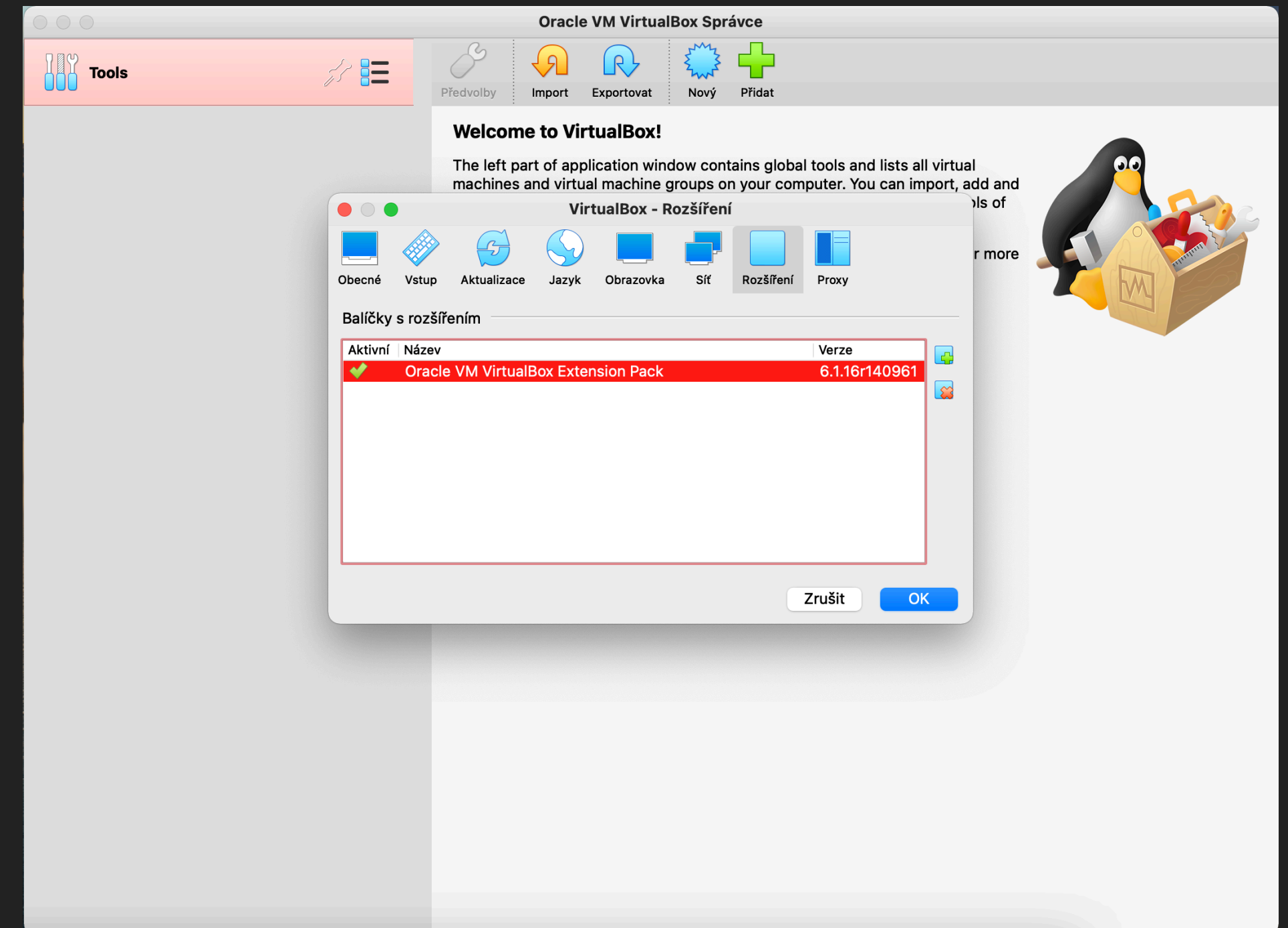
DOWNLOAD IMAGE

▸ Download Ubuntu 14.04 + SciDB Image

  ▸ VirtualBox_SciDB_18.1_CE.ova

  ▸ Compatible with VirtualBox, VMWare

  ▸ 6GB

 ▸ https://drive.google.com/drive/folders/1ns5I39SVS9OjJM8-ahHKgXOwguSFjjuo

IMPORT IMAGE

▸ Import Image into VirtualBox (use expert mode)

▸ Check hardware requirements of image to match your hardware setup

  ▸ E.g. lower required RAM to 4 GB
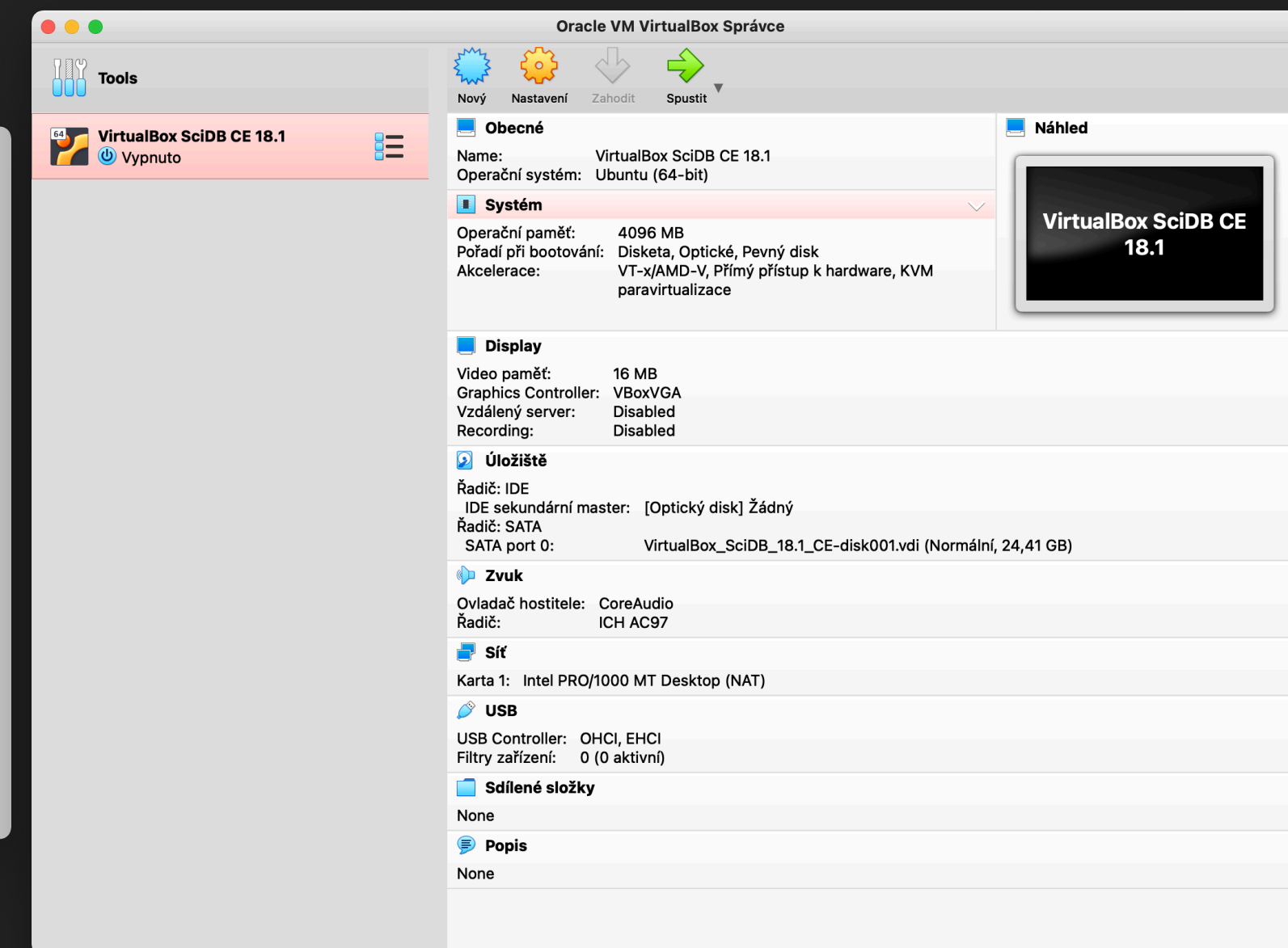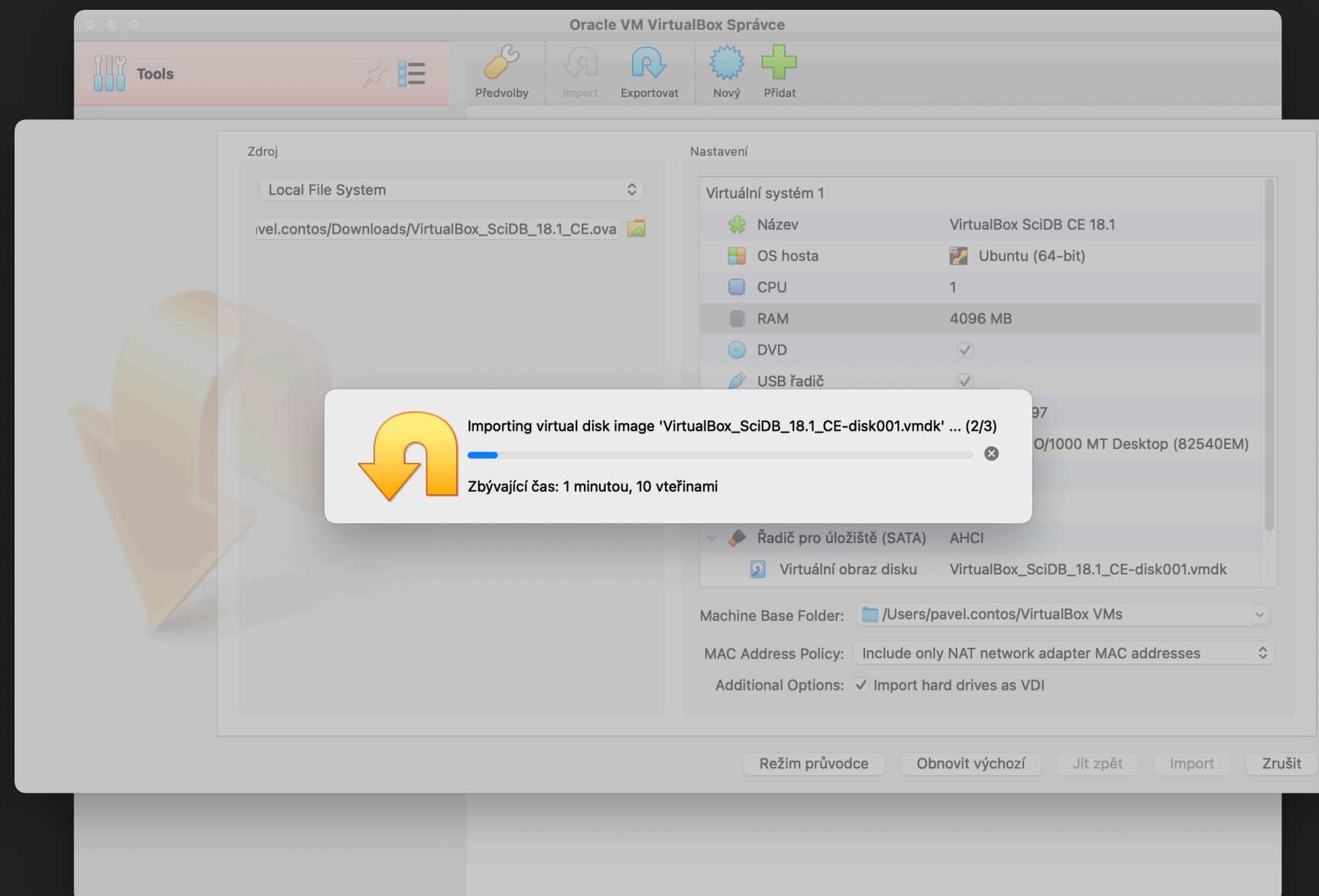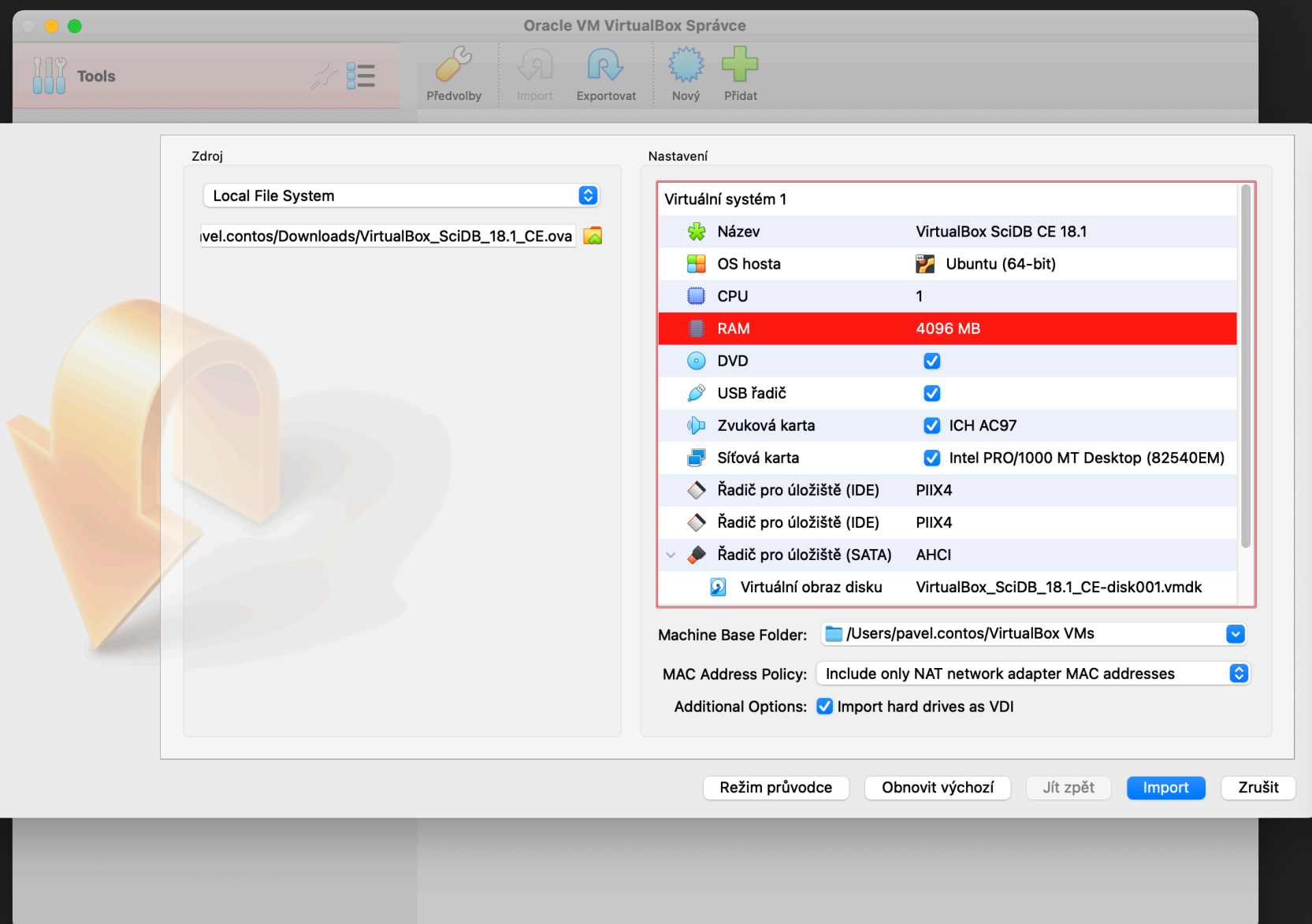
SETUP PORT FORWARDING (VOLUNTARY)

▸ Change Network Settings of SciDB Image

  ▸ Select Extended and Port Forwarding

  ▸ Protocol: TCP, Host port: 42222 Guest port: 22
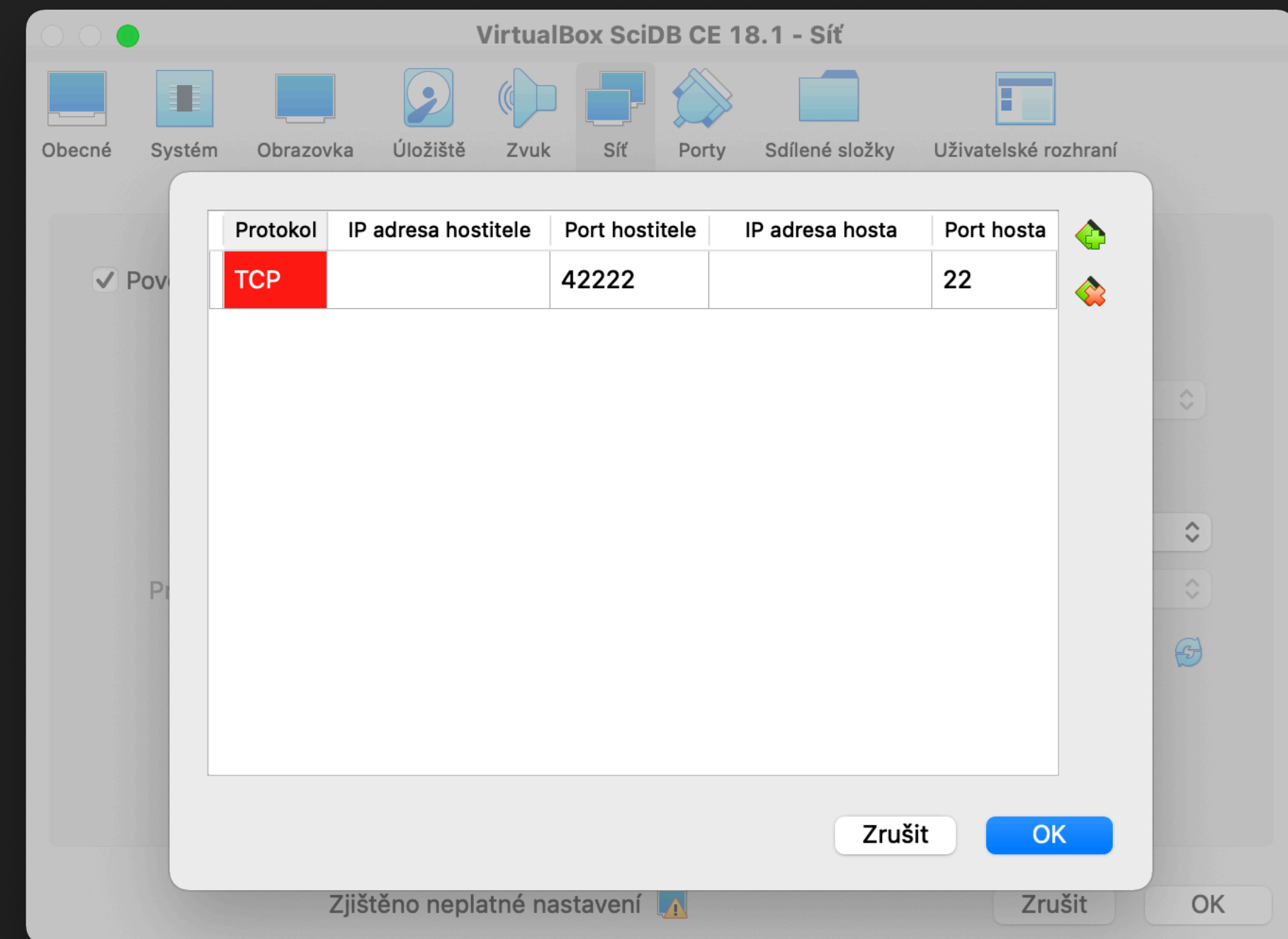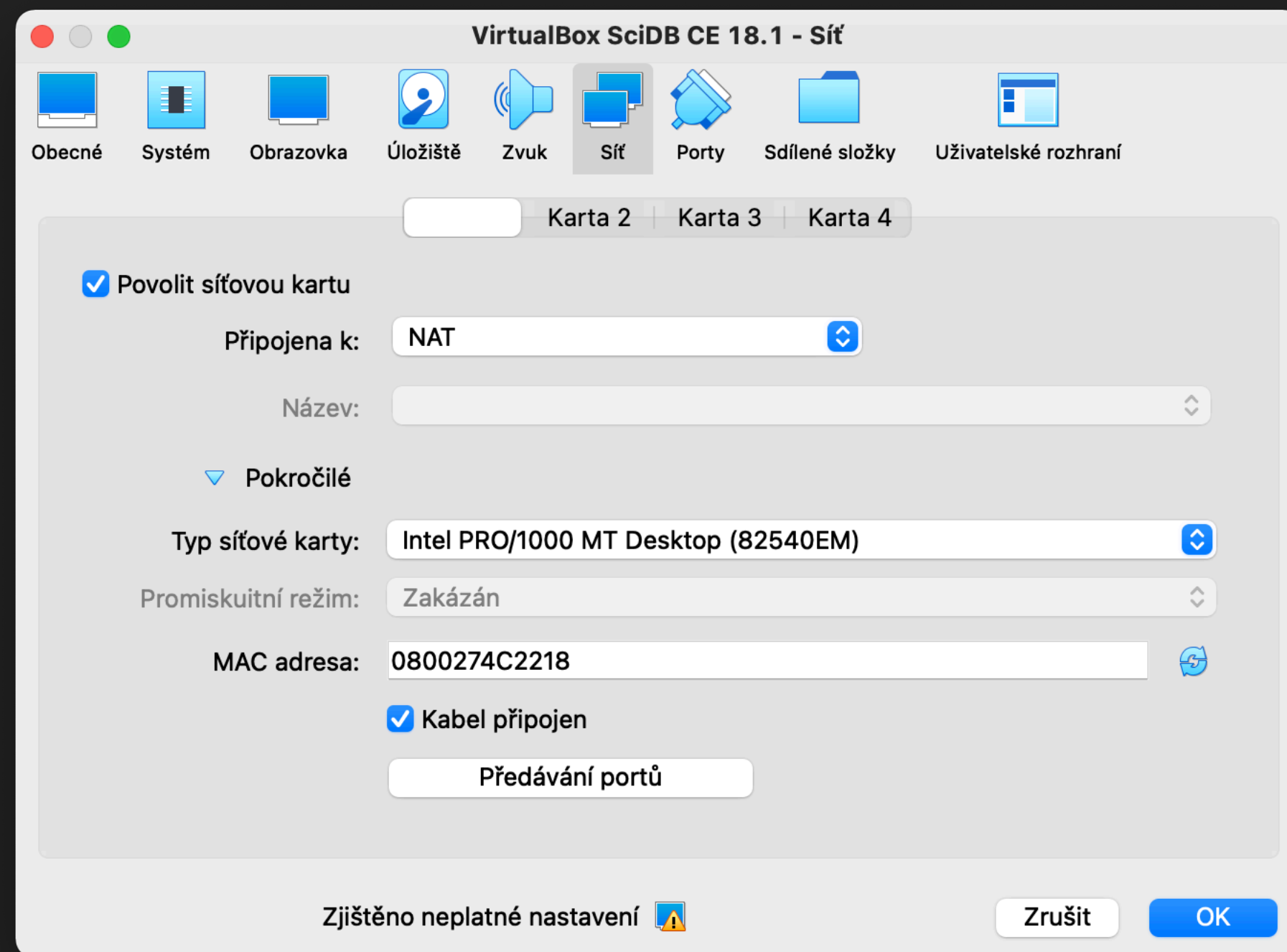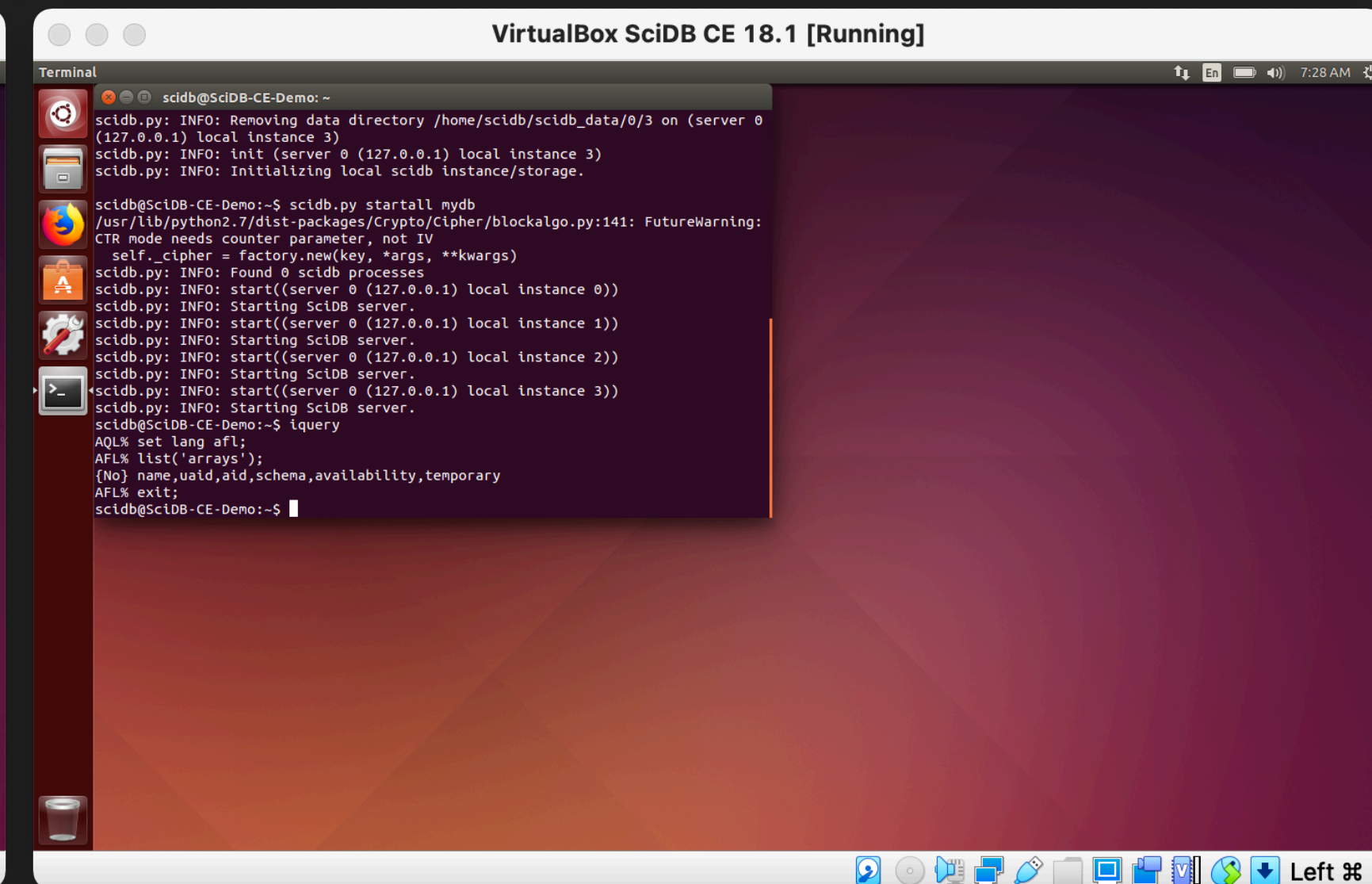
RUN IMAGE

▸ Run Image

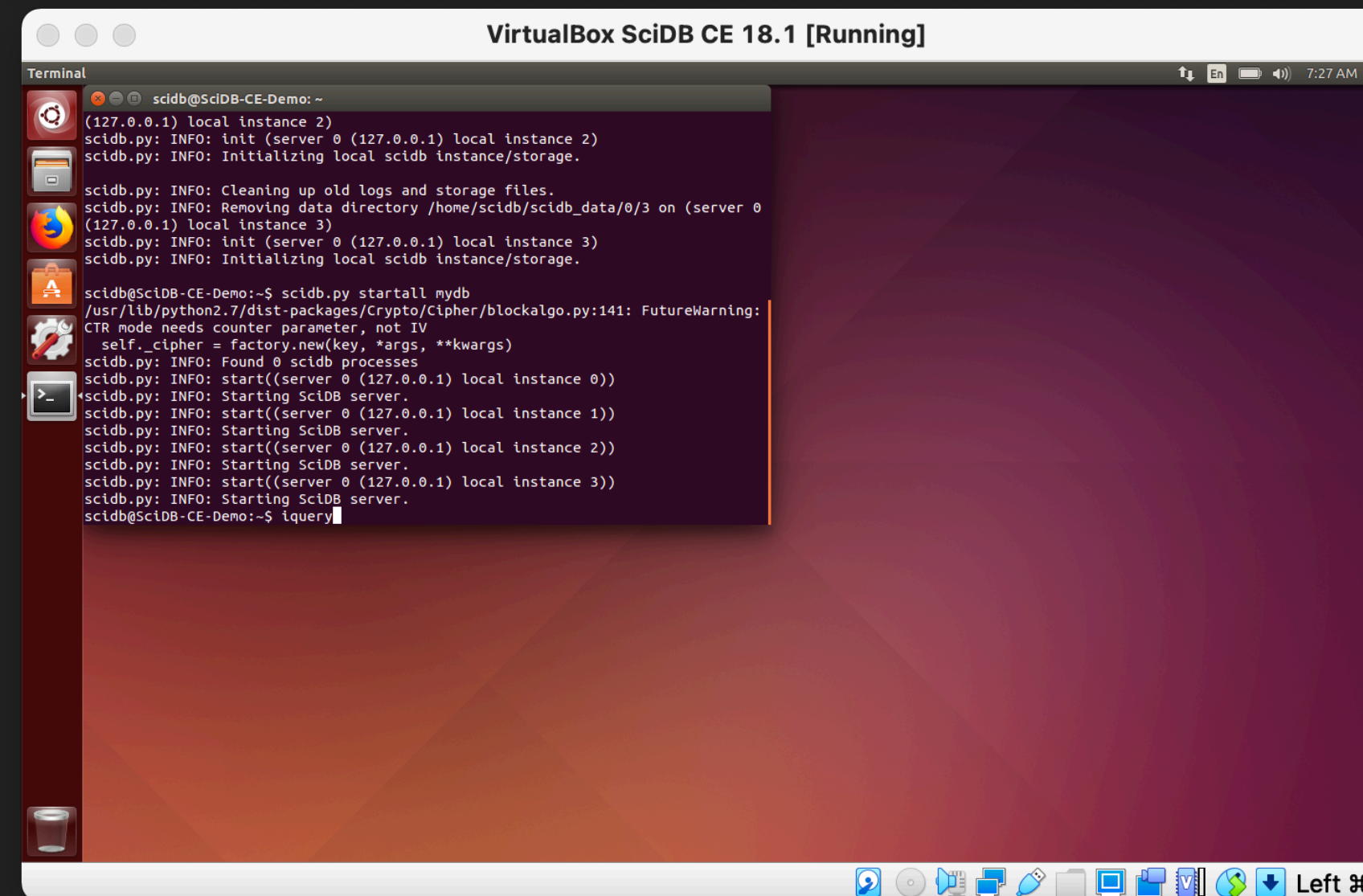 ▸ If any warning appears, proceed
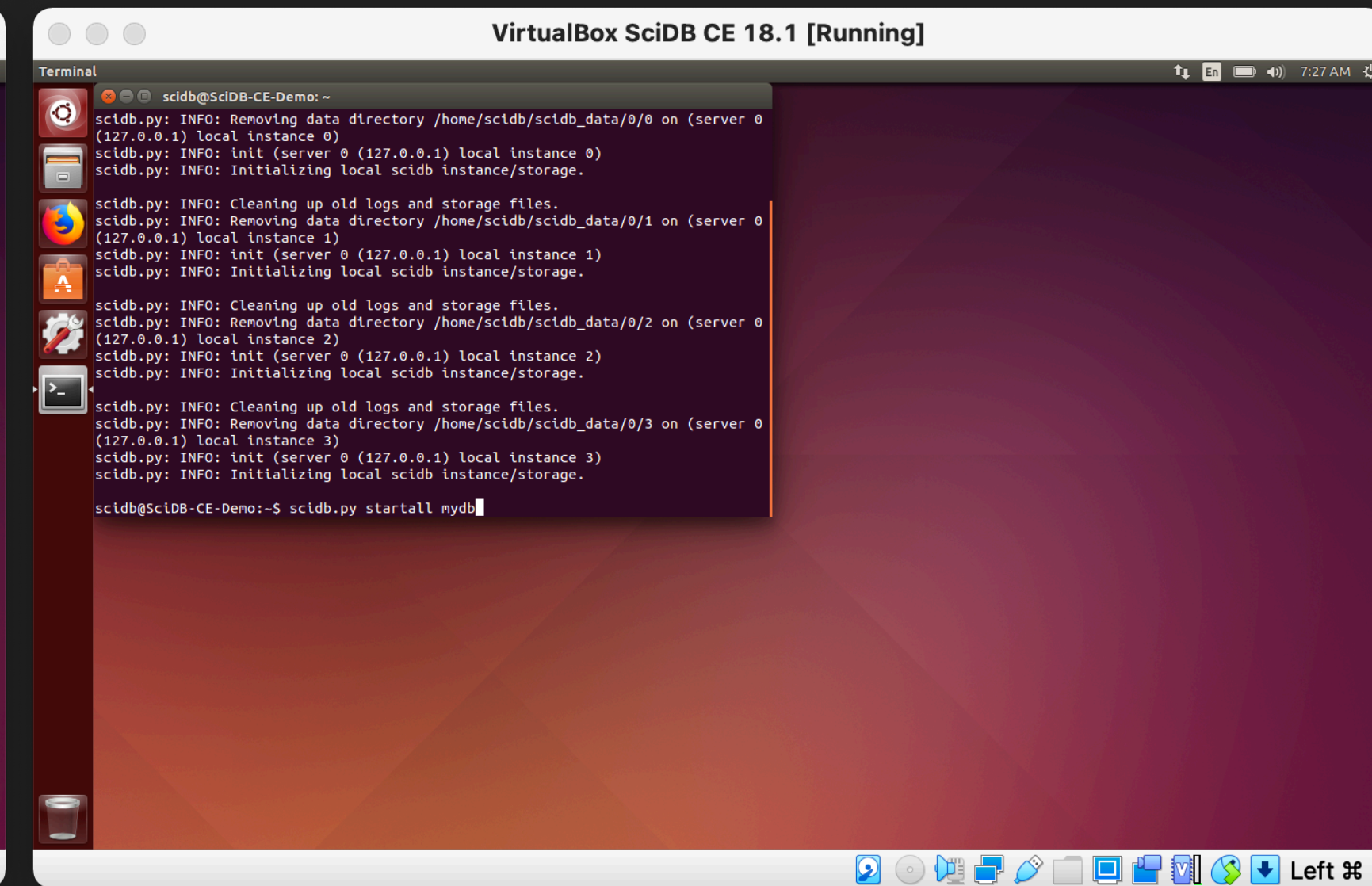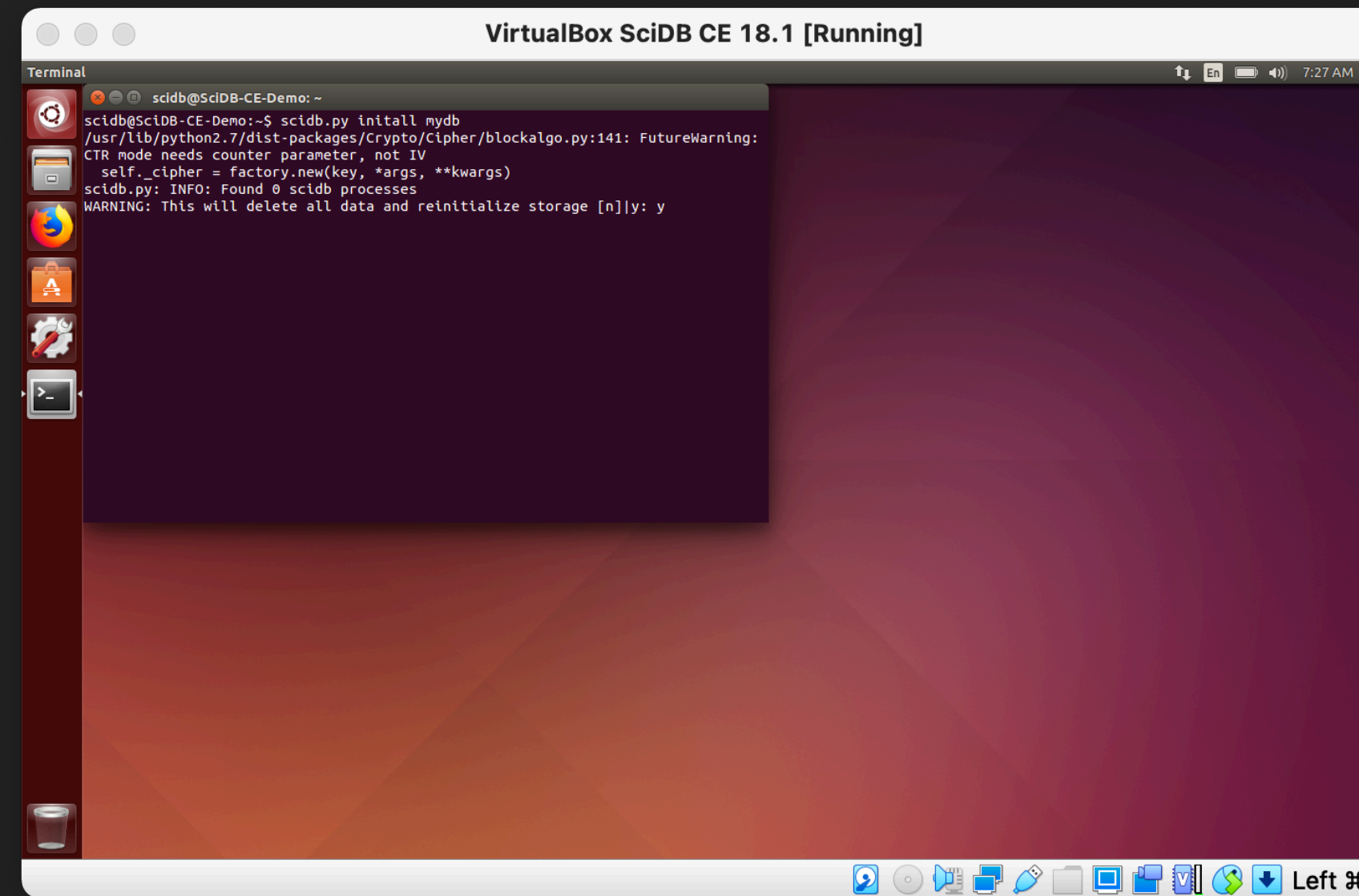
SIGN IN
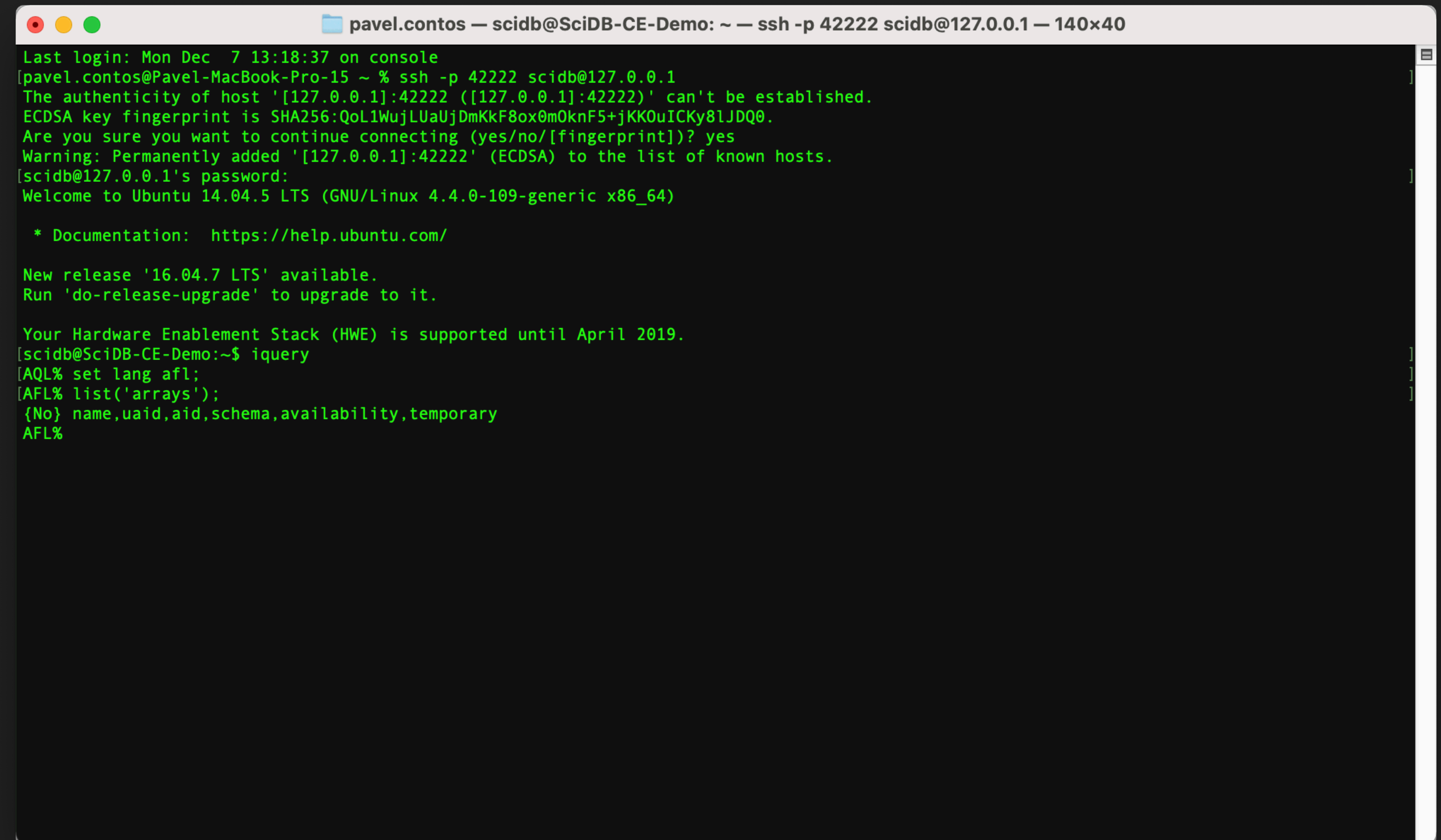
▸ Sign In

   ▸ login: scidb

   ▸ password: paradigm4
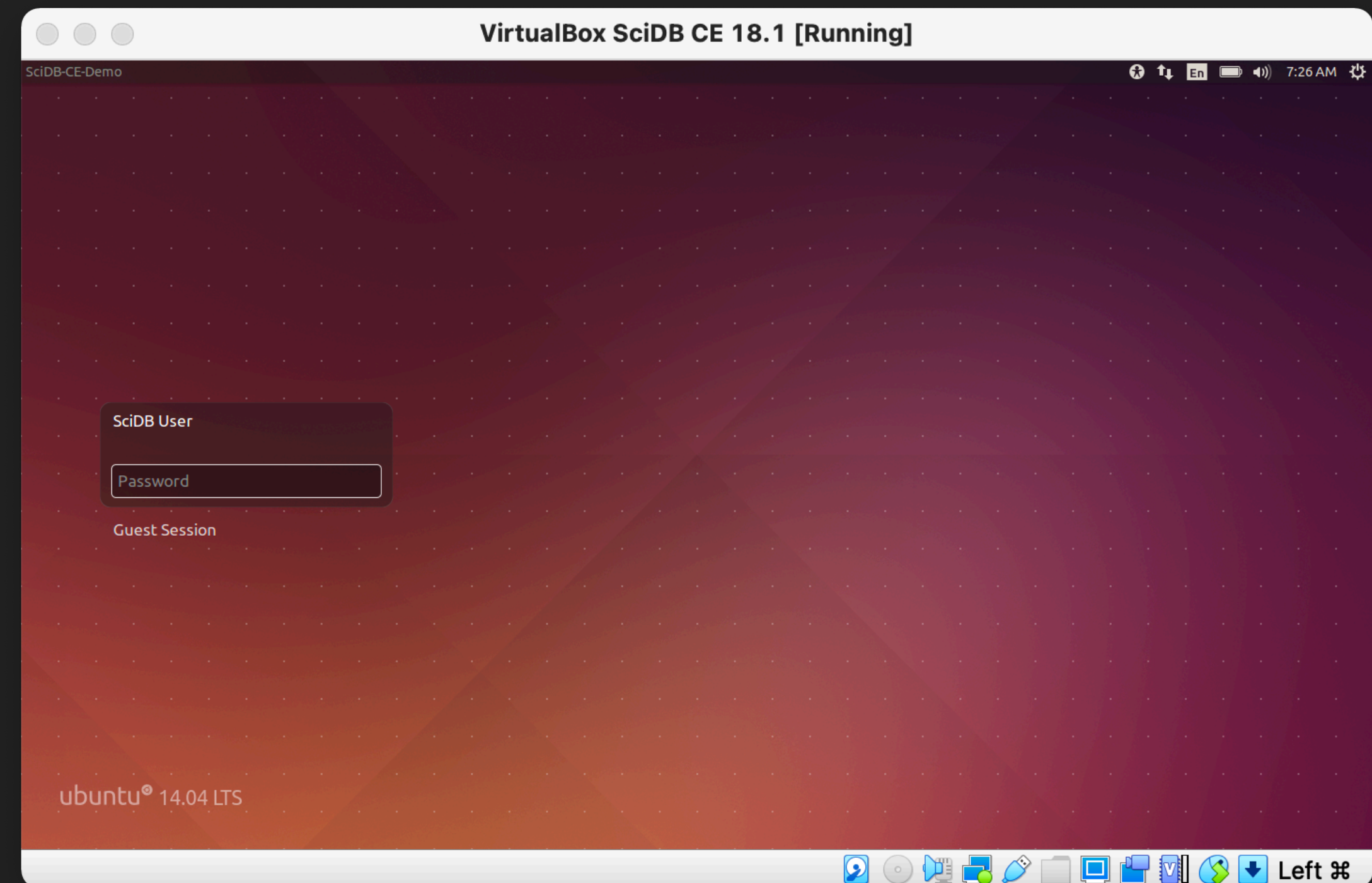
START SCIDB

▸ scidb.py initall mydb

▸ scidb.py startall mydb

▸ iquery

▸ set lang afl;

▸ list('arrays');

▸ exit;

USE SSH

▸ Use ssh/scp on host to remote access

  ▸ ssh -p 42222 scidb@127.0.0.1

REFERENCES

‣ VirtualBox Manual

  ‣ https://www.virtualbox.org/manual/

‣ VMWare Fusion Player Manual

  ‣ https://docs.vmware.com/en/VMware-Fusion/index.html

‣ WMWare Workstation Player Manual

  ‣ https://www.vmware.com/pdf/ws7_manual.pdf

‣ SciDB Reference Manual

  ‣ https://paradigm4.atlassian.net/wiki/spaces/scidb/overview

‣ SciDB Repository

  ‣ https://github.com/Paradigm4/SciDB