## Koraci za intaliranje DB2 na OS Ubuntu

1. Preuzmite materijal za DB2 sa IBM sajta.

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A		IBM Db2 v11.5.6 curren	ıt		Db2 Database Engine	
?		Microsoft Windows (x64)	1.468	Download	Db2 Community Edition helps you develop and deploy apps using the latest features of Db2	
		(101)	1.400	Dominouu	11.5. This free edition provides up to 16GB of memory, 4 cores, and no limit on database size.	
		Linux (x64)	2.1GB	Download	It is easily upgradable to paid editions with a simple activation key.	
				$\square$	Looking to deploy on <b>Red Hat OpenShift or IBM Cloud Pak for Data</b> with just a few clicks? <b>Db2</b> Operator is now available on Red Hat Marketplace.	
		Linux on IBM Z	1.7GB	Download	Deuxered by AT Curport for lay data types and	
		Linux (Dourse DC)	1.000	Developed	Tune workloads and optimize queries for languages	
		Linux (Power PC)	1.008	Download	higher performance using ML noSQL, pureXML, Graph and JSON; Java, .Net, Ruby, Python, and more	
		IBM AIX	1.8GB	<u>Download</u>		
					Fast to deploy Data management console Designed for hybrid multi cloud Free GUT for Db2 administration	
					deployments	
:::					For installation and set-up intructions visit Db2 documentation.	
					To download older versions of Db2, visit Passport Advantage.	

2. Kada raspakujete materijal, preko terminala se pozicionirajte u direktorijum sa materijalom za instaliranje.

3. Pokrenite skript za proveru da li nedostaje neka biblioteka neophodna za instaliranje DB2.

sudo ./db2prereqcheck

i instalirajte šta nedostaje prema dobijenom izveštaju.

Pri instaliranju DB2 na mašini sa tek instaliranim OS Ubuntu 18.04 bilo je potrebno izvršiti

sudo apt-get install lib32stdc++6
sudo apt-get install libaio1
sudo apt-get install libpamOg:i386

4. Kada nakon pokretanja

sudo ./db2prereqcheck

dobijete poruku da su svi uslovi za instaliranje DB2 zadovoljeni, počnite sa instalacijom

sudo ./db2setup

5. U prozoru za intalaciju DB2 izaberite DB2 Version ... Server Editions



6. U delu Configuration izaberite Custom

	DB2 Setup - DB2 Server Edition					
1. Configuration 2. Instance-owning	Configuration					
<u>3</u> . Fenced user <u>4</u> . Summary						
	Select the installation type					
	Typical C <u>u</u> stom					
	Size: ~2190 MB					
	View Features					
	🖌 Create an instance. (Needed to store data.)					
	I agree to the IBM and Non-IBM terms. Click to view					

7. U delu *Features* možete izabrati sve opcije.

8. U delu *Instance Owner* i *Fenced User* unesite lozinku i zapamtite kojoj grupi pripadaju (na slici *db2iadm1*)

DB2	2 Setup - DB2 Server Ed	ition	
DB2 Instance O Specify the instance ow perform instance functi name of the instance w • New user User name • Use default UID Group name • Use default GID Password Confirm password Home directory • Existing user User name	2 Setup - DB2 Server Ed DWNET ming user information for t ons, and will store instance ill be the same as the user db2inst1 db2iadm1 **** **** /horme/db2inst1	ition he DB2 instance. DB2 will e information in the user's r name.	Ise this user to home directory. The
Back	Next	Cancel	Help
	DB; Instance O Specify the instance-ow perform instance functi name of the instance w • New user User name • Use default UID Group name • Use default GID Password Confirm password Home directory • Existing user User name	Back       Next	BB2 Setup - DB2 Server Edition         Specify the instance-owning user information for the DB2 instance. DB2 will perform instance functions, and will store instance information in the user's name of the instance will be the same as the user name.            • New user          User name       db2inst1             • Use default UD          Group name       db2inst1             • Use default GD          Password       *****         Confirm password            • Existing user          Uber name            User name             Back            Mext         Cancel

9. **Bitno:** Zapamtite dodeljeni *Port number* (na slici 25000) u delu *Instance Communication* jer ćete njega koristiti pri pravljenju konekcije u alatu *Data Studio*.

	DB2 Setup - DB2 Server Edition 📃 🗐 😣
	Instance Communication
<u>2</u> . Features <u>3</u> . Languages <u>4</u> . Documentation	In order for remote clients to access data stored in the DB2 instance, you must configure the DB2 instance for TCP/IP communication. The DB2 instance can also be set to start automatically when your computer starts.
<u>5</u> . Database partiti <u>6</u> . Instance-owning	TCP/IP configuration <ul> <li><u>Configure</u></li> </ul>
<ul> <li><u>Z</u>. Fenced user</li> <li><u>8</u>. Communication</li> <li><u>9</u>. Relational wrapp</li> <li>10. Summary</li> </ul>	Service name db2c_db2inst1 Port number 25000 Restore default settings Do not configure at this time Autostart the instance at system startup

10. U ostalim delovima izaberite ponuđene opcije.

11. Nakon instalacije, vlasnik DB2 instance je korisnik *db2inst1* koji je napravljen tokom instalacije. Možete koristiti taj nalog za pravljenje novih baza podataka. Ako želite da neki drugi korisnik (dalje u tekstu *koris*) ima pravo da izvrši *db2start* i pravi nove baze potrebno je da u *.profile* datoteku korisnika *koris* prepišete skript za pokretanje *db2profile* koji možete naći u *.profile* datoteci korisnika *db2inst1* (izlogujte se, pa se ulogujte kao *db2inst1* i u terminalu se pozicionirajte u direktorijum korisnika *db2inst1* i ukucajte pi co .profile) i počinje linijom

#The following three lines have been added by IBM DB2 instance utilities.



12. Grupi *db2iadm1* (kojoj je dodeljen korisnik *d2inst1*) dodajte korisnika *koris*:

usermod -a -G db2iadm1 koris

13. Restartujte sistem.

14. Nakon logovanja sa nalogom koris u terminalu ukucajte db2start.

15. Preuzmite materijale za pravljenje baze podataka stud2020 sa sajta asistenta i raspakujte ga.

16. Pozicionirajte se u direktorijum sa raspakovanim materijalom i pokrenite skript *create.sh.* Ako je potrebno, prvo promenite prava pristupa svim datotekama u direktorijumu *stud2020* naredbom

chmod -R 777 stud2020

17. Povežite se na bazu podataka sa

db2 connect to stud2020