# Online Population Census: The Indonesian Experience

Statistics Indonesia



CONFERENCE OF EUROPEAN STATISTICIANS Expert Meeting on Statistical Data Collection 27-30 September 2021





## The Baby Steps

• 2017: Goal setting -> One Indonesian

Population Data

• 2018: Data exchange initiation

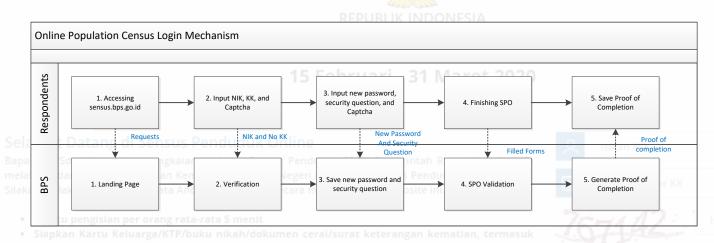
• 2019: Database integration

• 2020: Census during the pandemic



### The Forms

- sensus.bps.go.id is built using the Integrated Collection Survey (ICS), Statistics Indonesia's multimode survey platform
  - During 2018-2020 experienced improvements as a result of trials
  - Fundamental changes
    - · login mechanism:



- wording on questions: question design involving linguists, bloggers and journalists
- personal data security: minimize pre-filled data

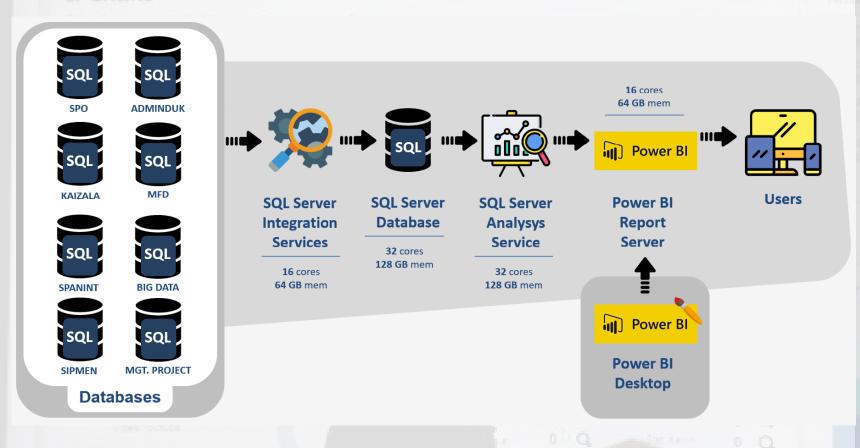
# The Dashboard: Content Dashboard

Architecture

#### DASHBOARD SENSUS PENDUDUK 2020

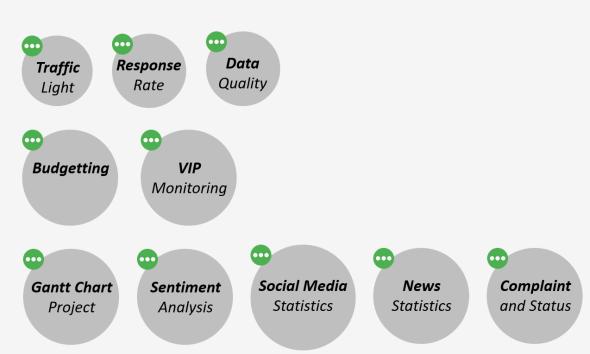
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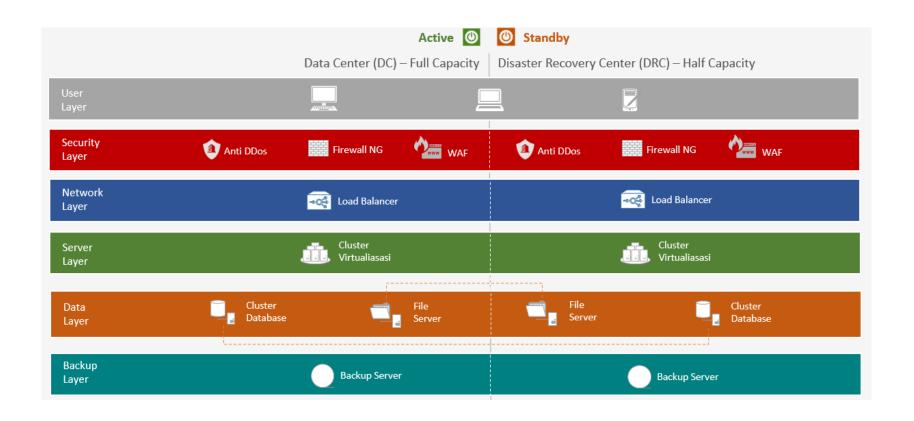






# The Dashboard: Content Dashboard Information





# Infrastructure Core Architecture Infrastructure for SPO



#### #Virtual

Prosesor 8

Memory 8 GB

> Disk 77 GB

Frontend



#### #Virtual

Prosesor 16 Memory

> Disk 77 GB

> 32 GB

Backend



#### **#Virtual**

Prosesor 4

Memory 8 GB

> Disk 77 GB

> > Worker



#### #Virtual

Prosesor 8

Memory 16 GB

> Disk 77 GB

Captcha



#### #Virtual

Prosesor 4 Memory

8 GB

Disk 1 TB

File Server



#### #Fisik

Prosesor 2 x 28

Memory

1 TB

Disk 10 TB

Databas



# Infrastructure Specification





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#### 2020 census extended due to low participation, COVID-19 woes



A Journalist follows a live-streamed press conference by Statistics Indonesia (BPS) in Jakarta, on March 16. More and more government agencies are moving online to broadcast their activities in a bid to curb the spread of the COVID-19 outbreak. (DV Wendra Attavatama)

Share this article A. Muh. Ibnu Aqil (The Jakarta Post)

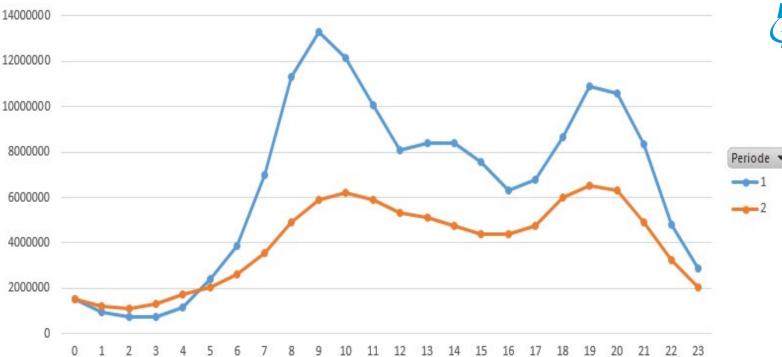
Jakarta • Fri, April 3, 2020

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Indonesta's once-every-10-years national population census has become the latest collective activity to be affected by the COVID-19 outbreak sweeping the country, with online procedures extended until the end of

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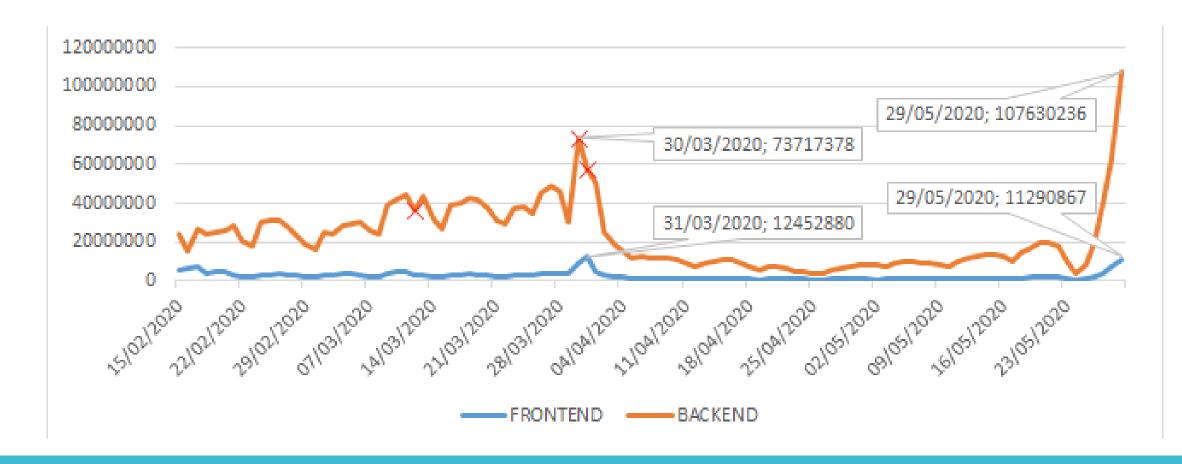
### **Census War**

## Online Population Census Period

Initial SPO Period Feb 15<sup>th</sup> to Mar 31<sup>st</sup>

The extended SPO
Apr 1<sup>st</sup> to May 29<sup>th</sup>





## Census War Hard to say we're sorry

51,360,072 residents participating in the SPO

19%

of the total population











