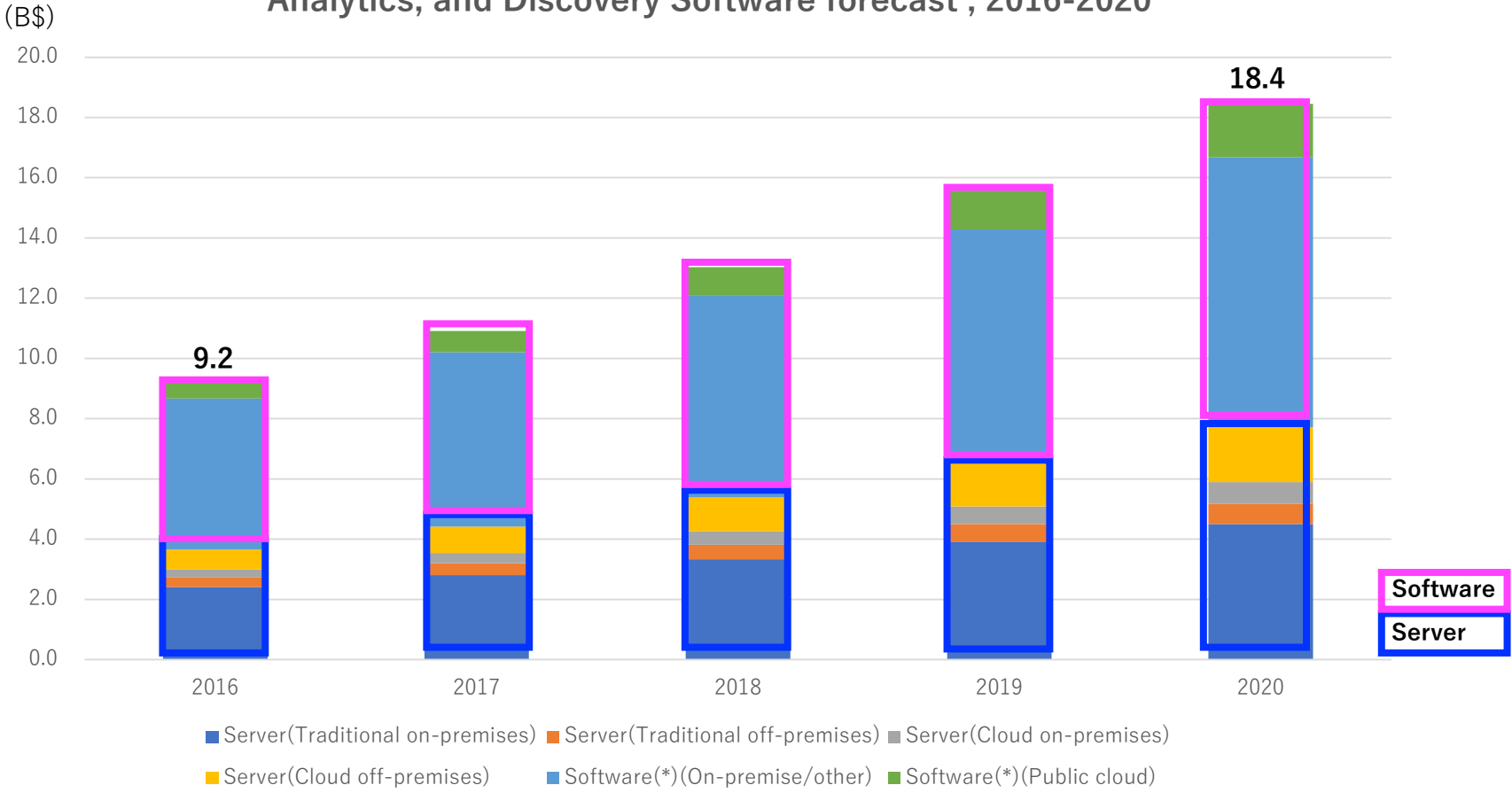


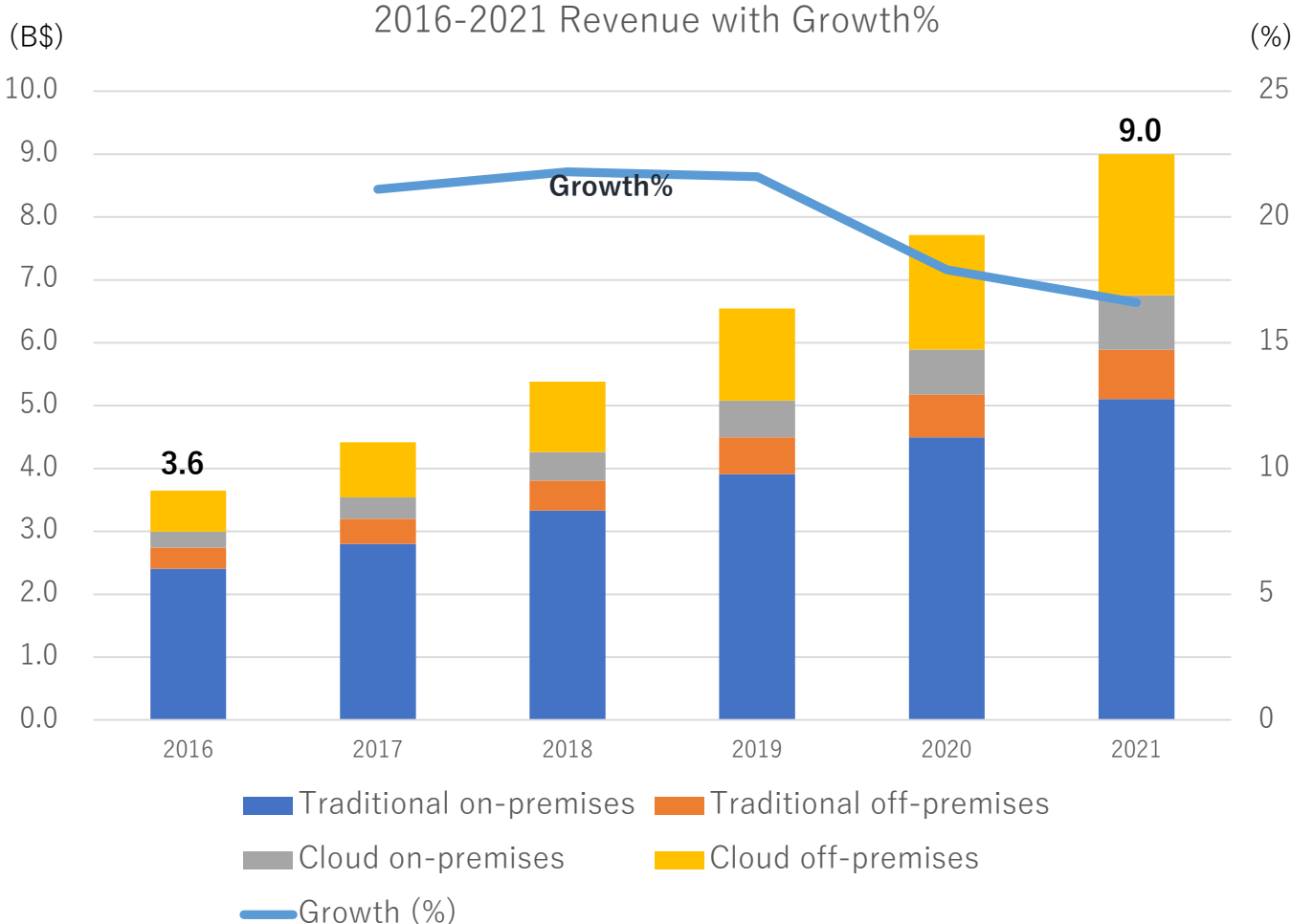
Cognitive Server infrastructure and Cognitive Systems, Content Analytics, and Discovery Software forecast , 2016-2020



(*)Software: Cognitive Systems, Contents Analytics, and Discovery Software forecast

Source: IDC, Feb 2017 "Worldwide Cognitive Server Infrastructure Forecast, 2016–2021" (US42294414)
 IDC, June 2016 "Worldwide Cognitive Systems, Content Analytics, and Discovery Software Forecast, 2016–2020" (US40305316)

Worldwide Cognitive Server Infrastructure Revenue Forecast



Total Market CAGR 19.8%

- Traditional on-premise CAGR 16.2%
- Traditional off-premise CAGR 18.5%
- Cloud on-premise CAGR 28.0%
- Cloud off-premise CAGR 28.0%

Source: IDC, Feb 2017 "Worldwide Cognitive Server Infrastructure Forecast, 2016-2021" (US42294414)