File 1: Details of prior studies (79) on cloud computing adoption

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| Author (Date) | Theories used  or key factors | Target technology  or cloud service type | Participants type/industry or country |
| Saya et al. (2010) | Institutional theory, real option theory, technical characteristics | CC | * 101 IT professionals * various industries such as IT, education, and travel and leisure in Singapore |
| Heart (2010) | Three types of trust, three types of perceived risk | SaaS | * 143 employee (including managerial positions) * various industries such as manufacturing and services in Israel |
| Wu (2011) | TAM, RST | SaaS | * 246 IS/IT managers * high-tech firms in Taiwan |
| Wu (2011) | TAM extension | SaaS | * 42 managers * high-tech firms in Taiwan Style Competency Study Group |
| Low et al. (2011) | TOE | CC | * 111 IT staff/managers * high-tech firms in Taiwan |
| Behrend et al. (2011) | TAM 3 | CC | * 750 college students * high education in USA |
| Ratten (2012) | SCT | CC | * 207 generation Y consumers * USA |
| Opitz et al. (2012) | TAM2 | CC | * 100 IT department (CIO/IT managers) * various industries in German) |
| Gupta et al. (2013) | Cost reduction, ease of use and convenience, reliability, sharing and collaboration, security and privacy | CC | * 211 employees * SMEs in various industries of India, Singapore/Malaysia, USA |
| Borgman et al. (2013) | TOE | CC | * 24 IT executives/senior executives * global enterprises across various industry |
| Seo (2013) | TAM extension | IaaS | * 195 company users * various industries in South Korea |
| Tehrani and Shirazi (2014) | DOI, TOE | CC | * 101 IT decision makers in SMEs * various industries in USA |
| Nguyen et al. (2014) | UTAUT2 | SaaS (cloud-based E-learning) | * 282 users * e-learning sector in Vietnam |
| Oliveira et al. (2014) | DOI, TOE | CC | * 369 CIO/directors/senior IS managers * manufacturing and service firms in Portugal |
| Pinheiro et al. (2014) | TAM | CC | * 312 students/professionals * Portugal |
| Hsu et al. (2014) | TOE | CC | * 200 CIO/senior IT managers * various industries in Taiwan |
| Zhao et al. (2014) | Hofstede’s theory | CC | * 235 employee * SMEs in various industries of USA and China |
| Alotaibi (2014) | TAM extension | CC | * 770 employees * public and business organizations in Saudi Arabia |
| Tan and Kim (2015) | ECM | SaaS | * 132 MBA students * various industries in USA |
| Safari et al. (2015) | TOE, DOI | SaaS | * 30 IT professionals * IT enterprises in Iran |
| Yang and Chou (2015) | dedication-constraint mechanism | SaaS | * 246 senior managers * information industry in Taiwan |
| Cho and Chan (2015) | perceived cost advantage, perceived service quality, GAP in IT capabilities complementing the company's strategic goal, attitude of management toward IT ownership and control | SaaS | * 269 IT decision makers * various industries in Hongkong |
| Goode et al. (2015) | service quality, responsiveness, security, trust, perceived value, satisfaction | SaaS | * 135 employees * various industry in Taiwan |
| Tashkandi and Al-Jabri (2015) | TOE | SaaS (cloud-based education) | * 31 IT decision-makers * education sector in Saudi Arabia |
| Abdullah and Seng (2015) | TAM extension | SaaS (cloud-based healthcare) | * 180 doctors and nurses * hospitals in Malaysia |
| Gangwar et al. (2015) | TAM, TOE | CC | * 280 employees * Various industries in India |
| Aharony (2015) | TAM extension  Personal traits | CC | * 140 Information professionals * information sector in Israeli |
| Sallehudin et al. (2015) | DOI | CC | * 730 IT officers * public sector in Malaysia |
| Amini and Bakri (2015) | TOE, DOI | CC | * 77 IT experts (IT dept) * SMEs in Malaysia |
| Ratten (2015) | SCT, TAM | CC | * 120 students * USA and Australia |
| Yang et al. (2015) | TOE extensions | SaaS | * 173 IT directors and executives (CIO, CEO) / IT managers (middle-level) / IT technicians * private and public sectors in China |
| Gashami et al. (2016) | TRA, PTI, cost-benefit theory | SaaS | * 290 SaaS users * South Korea |
| Sabi et al. (2016) | DOI, TAM | CC | * 20 university lectures / IT experts * universities in Africa |
| Sharma et al. (2016) | TAM extension | CC | * 103 IT professionals * Oman |
| Senyo et al. (2016) | TOE | CC | * 305 IT staff/managers * various industries in Ghana |
| Hsu and Lin (2016) | TOE | CC | * 102 decision-makers (CIO, CEO, managers, other) * various industries in Taiwan |
| Mezghani and Ayadi (2016) | TAM extension | CC | * 74 IS managers * financial sector in Saudi |
| Alkharusi and Al-Badi (2016) | TAM, human-related factors | CC | * 74 IT personnel * public sector in Oman |
| Militaru et al. (2016) | TAM extension | CC | * 96 university students * education sector in Romania |
| Alotaibi (2016) | UTAUT | SaaS | * 785 workers * various industries in Saudi Arabia |
| Alharbi et al. (2016) | TOE, IST, HOT | CC | * 201 employees (IT experts, healthcare professionals, administrative, other) * healthcare organisations in Saudi Arabia |
| Gangwar and Date (2016) | TAM extension | CC | * 280 employees * ICT firms, manufacturing, and finance in India |
| Al-Jabri and Alabdulhadi (2016) | TOE | CC | * 106 IT staff * various industries in Saudi Arabia |
| Wang (2016) | TAM extension | SaaS (personal cloud storage) | * 460 users * China |
| Almazroi et al. (2016) | TAM3 | SaaS  (cloud-based e -learning) | * 451 students * Saudi Arabia |
| Arpaci (2016) | TAM extension | SaaS (mobile cloud storage service) | * 262 undergraduate students * Turkey |
| Hsieh (2016) | UTAUT, SQB | SaaS (medical cloud) | * 681 patients * healthcare sector in Taiwan |
| Amponsah et al. (2016) | UTAUT2 | CC | * 194 postgraduate students * Various industries in Ghana |
| Mohammed et al. (2017) | DOI, FVM | CC | * 296 IT staff * public organizations in Yemen |
| Palos-Sanchez et al. (2017) | TAM extension  External variables | SaaS | * 150 employee * IT sector in Spain |
| Arpaci (2017) | TAM extension | SaaS (personal cloud storage) | * 221 undergraduate students * Turkey |
| Alharbi (2017) | UTAUT | CC | * 219 employees (IT department) * public and private sector in Saudi Arabia |
| Bachleda and Ouaaziz (2017) | TAM extension | CC | * 555 students * Morocco |
| Priyadarshinee et al. (2017) | TOE extension | CC | * 660 managers * various industries in India |
| Chen (2017) | TAM extension | CC | * 122 managers * Various industries in Taiwan |
| Amin et al. (2017) | UTAUT | CC (healthcare) | * 147 healthcare professionals * healthcare sector in Malaysia, Pakistan, and Saudi Arabia |
| Hassan and Nasir (2017) | DOI | CC | * 132 mid-to-senior level executives and managers * SMEs in Malaysia |
| Asadi et al. (2017) | TAM,  DTM | CC | * 162 banking users * banking sector in Malaysia |
| Tripathi (2017) | TAM extension | CC | * 418 employees * various industries in India |
| Wu et al. (2017) | Push-Pull-Mooring | SaaS (personal cloud storage) | * 371 PCSS users * China |
| Tomás et al. (2018) | PVT, TOE, institutional theory | SaaS | * 317 employee * SMEs in various industries of Portugal |
| Senarathna et al. (2018) | DOI, TOE | CC | * 149 employees * SMEs in Australia |
| Changchit and Chuchuen (2018) | TAM extension | CC | * 558 students * USA |
| Sabi et al. (2018) | DOI, TAM | CC | * 251 ICT staff (IT experts) * universities in sub-Saharan Africa |
| Ali et al. (2018) | TAM extension | SaaS  (G-mail, G-drive) | * 322 students * Pakistan |
| Almazroi et al. (2018) | TAM extension | CC | * 527 university students * Saudi Arabia |
| Adiyasa et al. (2018) | TOE | SaaS  (ERP, CRM, e-mail) | * 179 employees * various industries in Indonesia |
| Chen et al. (2018) | TOE, DOI | CC | * 227 senior engineers/managers, /supervisors * manufacturing and service ﬁrms in Taiwan |
| Kandil et al. (2018) | TOE | CC | * 432 employees (IT department) * Egypt |
| Nikolopoulos and Likothanassis (2018) | TAM3 | CC | * 138 Cloud developers/IT professionals/managers * private and public organizations worldwide |
| Hsieh and Lin (2018) | IS success model, SQB | SaaS (cloud-based medical system: PharmaCloud) | * 304 physicians * hospitals in Taiwan |
| Njenga et al. (2019) | TOE | CC | * 69 IT experts * universities in Kenya |
| Tripathi (2018) | TAM extension | CC | * 538 senior managers (IT decision-makers) * various industries in India |
| Almjlae et al. (2019) | IT flexibility, connectivity, modularity, compatibility | CC | * 142 IT staff * IT SMEs |
| Chiniah et al. (2019) | TAM, TOE | CC | * 93 employees * ICT sector in Mauritius |
| Tripathi (2019) | TAM, theory of the valence framework of behavioral beliefs | CC | * 458 CIO/IT manager/other staff * various industries in India |
| Oliveira et al. (2019) | TOE, Institutional theory | SaaS | * 259 CIO/IS manager/other managers * various industries worldwide (Dun & Bradstreet) |
| Ali et al. (2019) | UTAUT | SaaS (cloud-based e-government service) | * 380 citizens * e-government sector in Parkistan |
| Arpaci (2019) | TRA extension | SaaS (mobile cloud computing) | * 308 students * Turkey |

*Notes*: CC: cloud computing in a broad meaning; SaaS: software as a service; PaaS: platform as a service; IaaS: Infrastructure as a service: TOE; technology organization environment; TAM: technology acceptance model; UTAUT: unified theory of acceptance and use of technology; DOI: diffusion of innovation. RST: rough set theory; SCT: social cognitive theory; ECM: expectation confirmation model; PTI: privacy-trust-intention model;

FVM: Fit Viability Model; PVT: process virtualization theory; IST: information system strategic triangle; HOT-fit: human–organization–technology model; SQB: status quo bias theory;