### Applying SFIA’s skills to cloud-computing

**Cloud infrastructure and operations**
- System software: SYSP
- IT infrastructure: ITO
- Network design: NTDS
- Network support: NTAS
- Storage management: STMG
- Database administration: DBAD
- Availability management: AVMT
- Configuration management: CFMG
- Change control: CHMG

**Software engineering / DevOps**
- Software design: SWDN
- Programming/software development: PROG
- Testing: TEST
- Configuration management: CFMG
- Systems integration and build: SINT
- Release and deployment: RELM
- Software configuration: PORT

**Edge computing / IoT**
- Real-time/embedded systems development: RESD
- Hardware design: HWDE

**Platform management**
- Application support: ASUP
- Configuration management: CFMG
- Systems and software lifecycle engineering: SLEN
- Methods and tools: METL
- System software: SYSP

**Cloud Financials [FinOps]**
- Financial management: FMIT
- Benefits management: BENM
- Capacity management: CPMG
- Business intelligence: BINT
- Demand management: DEMM
- Measurement: MEAS

**Cloud security and resilience**
- Security operations: SCAD
- Continuity management: COPL
- Incident management: USUP
- Problem management: PBMS
- Vulnerability assessment: VUAS

**Cloud architecture and design**
- Enterprise business architecture: STPL
- Requirements definition and management: REQM
- Solution architecture: ARCH
- Business modelling: BSMD
- Systems design: DESN
- Business situation analysis: BUSA
- Feasibility assessment: FEAS

**Cloud product management**
- Product management: PROD
- User research: URCH
- User experience analysis: UNAN
- User experience design: HCEV
- User experience evaluation: USEV

**Cloud sourcing & supplier mgt**
- Sourcing: SORC
- Contract management: ITCM
- Supplier management: SUPP
- Service catalogue management: SCMG

**Cloud data and analytics**
- Database administration: DBAD
- Machine learning: MLNG
- Data science: DATS
- Data management: DATM
- Data engineering: DENG

**Decommissioning**
- Systems installation and removal: HSIN
- Facilities management: DCMA
- Asset management: ASMG

**Cloud strategy and leadership**
- Strategic planning: ITSP
- Business process improvement: BPSE
- Portfolio management: POMG
- Emerging technology monitoring: EMTG
- Innovation: INOV
- Investment appraisal: INVA

**Cloud governance and compliance**
- Information security: SICT
- Information assurance: INAS
- Personal data protection: PEDP
- Governance: GOVN
- Risk management: BURM
- Audit: AUDT

**Cloud migration and transformation**
- Organisational capability development: OCV
- Stakeholder relationship management: RLMT
- Technology service management: ITMG
- Systems development management: DLNG
- Organisational change management: CIPM
- Programme management: PGMG
- Project management: PRMG
- Portfolio, programme and project support: PROF
- Acceptance testing: BPTS

**Cloud upskilling and talent mgt**
- Organisation design and implementation: ORDI
- Competency assessment: LEDA
- Workforce planning: WFP
- Resourcing: RESC
- Professional development: PDSV

**Cloud education and training**
- Learning design and development: TMCR
- Learning delivery: ETL

---

**A cloud operating model** need skills to execute the technical cloud-computing and also a range of other skills which are re-useable in the wider organisational context.

For professionals outside of the technical cloud domain, a foundational understanding of cloud-computing principles is necessary. They need the skills for their own specialism and the know-how to exploit and benefit form the opportunities offered by cloud-computing.

[Attribution-ShareAlike 4.0 International (CC BY-SA 4.0)](http://creativecommons.org/licenses/by-sa/4.0)