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

#### Cloud infrastructure and operations
- System software
- IT infrastructure
- Network design
- Network support
- Storage management
- Database administration
- Availability management
- Configuration management
- Change control

#### Software engineering / DevOps
- Software design
- Programming/software development
- Testing
- Configuration management
- Systems integration and build
- Release and deployment
- Software configuration

#### Edge computing / IoT
- Real-time/embedded systems development
- Hardware design

#### Platform management
- Application support
- Configuration management
- Systems and software life cycle engineering
- Methods and tools
- System software

#### Cloud Financials [FinOps]
- Financial management
- Benefits management
- Capacity management
- Business intelligence
- Demand management
- Measurement

#### Cloud security and resilience
- Security operations
- Continuity management
- Incident management
- Problem management
- Vulnerability assessment

#### Cloud architecture and design
- Enterprise and business architecture
- Requirements definition and management
- Solution architecture
- Business modelling
- Systems design
- Business situation analysis
- Feasibility assessment

#### Cloud product management
- Product management
- User research
- User experience analysis
- User experience design
- User experience evaluation

#### Cloud sourcing & supplier mgmt
- Sourcing
- Contract management
- Supplier management
- Service catalogue management

#### Cloud data and analytics
- Database administration
- Machine learning
- Data science
- Data management
- Data engineering

#### Decommissioning
- Systems installation and removal
- Facilities management
- Asset management

---

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 specialization and the know-how to exploit and benefit form the opportunities offered by cloud-computing.

---

### Cloud strategy and leadership
- Strategic planning
- Business process improvement
- Portfolio management
- Emerging technology monitoring
- Innovation
- Investment appraisal

### Cloud governance and compliance
- Information security
- Information assurance
- Personal data protection
- Governance
- Risk management
- Audit

### Cloud migration and transformation
- Organisational capability development
- Stakeholder relationship management
- Technology service management
- Systems development management
- Organisational change management
- Programme management
- Project management
- Portfolio, programme and project support
- Acceptance testing

### Cloud upskilling and talent mgmt
- Organisation design and implementation
- Competency assessment
- Workforce planning
- Resourcing
- Professional development

### Cloud education and training
- Learning design and development
- Learning delivery

---

Attribution-ShareAlike 4.0 International (CC BY-SA 4.0)