



Foundations of IT for Business Analysts and Project Managers

<https://www.analystscorner.org/>

Overview

If you are reading this, you are probably an aspiring business analyst or project manager and you want to apply the core skills of your profession in the world of IT. This course will give you an overview of what IT is and what are the key components of it. It will introduce the key terms and definitions so that it will be easier for you to navigate the complex world of information technology, develop a better understanding of the domain and to land a first job in this area.

It is designed for people with little or no technical background; those who are intrigued by the world of IT but don't feel committed enough to enrol in a university degree or similar.

In my career, I've met a lot of IT delivery professionals: business analysts, project managers, delivery leads, scrum masters etc. For many of them, IT was not the first job they had. They come from very diverse backgrounds - former bankers, accountants, journalists and even ballet dancers found their passion and career in the thrilling world of information technology. For some people this transition comes easily and naturally, for some harder. I have designed this course with these people in mind: to give an overview of the IT world that will help immerse yourselves into the new environment with its own concepts, terminology, and history. And more importantly get prepared for that job interview or the first day in a new role!

I hope you'll enjoy!

Have fun.

What you will learn:

- Understand the role of IT in a modern enterprise
- Get foundational understanding of software development practices and process
- Learn how networks and the Internet work
- Learn foundations of data management
- Understand key principles of cybersecurity

- Get familiar with the concepts of automation
- Get the knowledge needed to land the first role in IT

This course aims to give the reader an overview of the key aspects of IT on a level that will allow them to:

- understand the work-related conversations
- pick up specific lingo
- gain the basic knowledge required to start adding value in their role or land the first job

Audience

- The course is primarily designed for non-technical roles that operate in an IT environment, such as business analysts or project managers.
- It is a good introduction to IT if you come from non-IT background but get exposed to IT or want to shift career into IT
- It will be handy for other professionals who need to understand how information technology works, such as HR, managers, auditors, etc.
- The course will help get enough understanding to not get lost on your day one in IT, or to pass a technical part of interview for non-developer positions

This course will offer

1. Detailed overview of key elements of Information technology that are expected of a delivery professional to know.
2. Description of software engineering processes and stages
3. Explanation in simple terms of how networks and the Internet work
4. Overview of how computers store data and exchange information
5. Key concepts and definitions of cybersecurity
6. Considerations for a delivery professional when working in an IT environment
7. Quizzes to check your knowledge
8. Recommendations for additional reading materials to further deepen your knowledge.

Level

This course forms a part of Analyst's Corner **Business Analysis Capability Ladder** - a structured multi-step approach to building strong business analysis skills and expertise.

The **Ladder** consists of 4 distinct rungs tailored to people at different stages of their professional lifecycle:

- **Foundation:** Learn the ropes of business analysis | Build the baseline for professional career
- **Progression:** Deepen your analysis expertise | Scale your toolkit and analytical rigour
- **Specialisation:** Develop strategic specialisms | Cultivate niche expertise in high-value domains
- **Leadership:** Gain authority and leadership | Lead business analysis for your team or organisation

Each rung consists of multiple training courses and an assessment; finishing the whole **Ladder** provides the depth of practical knowledge that rivals traditional academic BA programs.

This course is one of the courses on the **Foundation** rung.

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Duration

The course consists of:

- 4 hours of pre-recorded video lessons
- 6 hrs of reading materials, quizzes and exercises

Syllabus

Module 1: Introduction to IT

IIBA® Knowledge Areas alignment	Business analysis knowledge (KA7) Perspective: IT Underlying Competencies: Analytical Thinking and Problem Solving
PMI® Talent Triangle alignment	Business Acumen: macro and micro influences in the organisation and industry and domain-specific knowledge

Title	Type
Introduction. What will you learn?	video
What is Information Technology?	video
Concepts of Cybernetics	video
The Place of Information Technology in Enterprise Architecture	video
Recommended reading	reading
Software Development Life Cycle (SDLC)	video
Checkpoint: Introduction to IT	assignment

Module 2: Software Development

IIBA® Knowledge Areas alignment	Business analysis knowledge (KA7) Requirements Analysis & Design Definition (KA5) Perspective: IT
PMI® Talent Triangle alignment	Ways of working: apply the right technique at the right time, adjust approach based on type of automation deployed

Title	Type
Environments	video
Version Control Systems	video

Pipelines	video
Integrations and APIs	video
Services	video
Solution Architecture	video
Requirements Development	video
Software Testing	video
Recommended reading	reading
Checkpoint: Software development	assignment

Module 3: Introduction to Networking and Web

IIBA® Knowledge Areas alignment	Business analysis knowledge (KA7) Requirements Analysis & Design Definition (KA5) Perspective: IT
PMI® Talent Triangle alignment	Ways of working: apply the right technique at the right time, adjust approach based on type of automation deployed

Title	Type
Networks	video
OSI and TCP/IP	video
WWW and the Internet	video
Recommended reading	reading
Checkpoint: Networks	assignment

Module 4: Automation

IIBA® Knowledge Areas alignment	Business analysis knowledge (KA7) Requirements Analysis & Design Definition (KA5) Perspective: IT, Business Process Management
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PMI® Talent Triangle alignment	Ways of working: apply the right technique at the right time, adjust approach based on type of automation deployed
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Title	Type
Automation	video
Business Process Automation	video
Decision Automation	video
Robotic Process Automation	video
Recommended reading	reading
Checkpoint: Automation	assignment

Module 5: Data Management

IIBA® Knowledge Areas alignment	Business analysis knowledge (KA7) Requirements Analysis & Design Definition (KA5) Perspective: IT
PMI® Talent Triangle alignment	Ways of working: apply the right technique at the right time, adjust approach based on type of automation deployed

Title	Type
Data Storages	video
Databases	video
Distributed Storage and Cloud	video
Data Analysis	quiz
Recommended reading	video
Checkpoint: Data	assignment

Module 6: Introduction to Cybersecurity

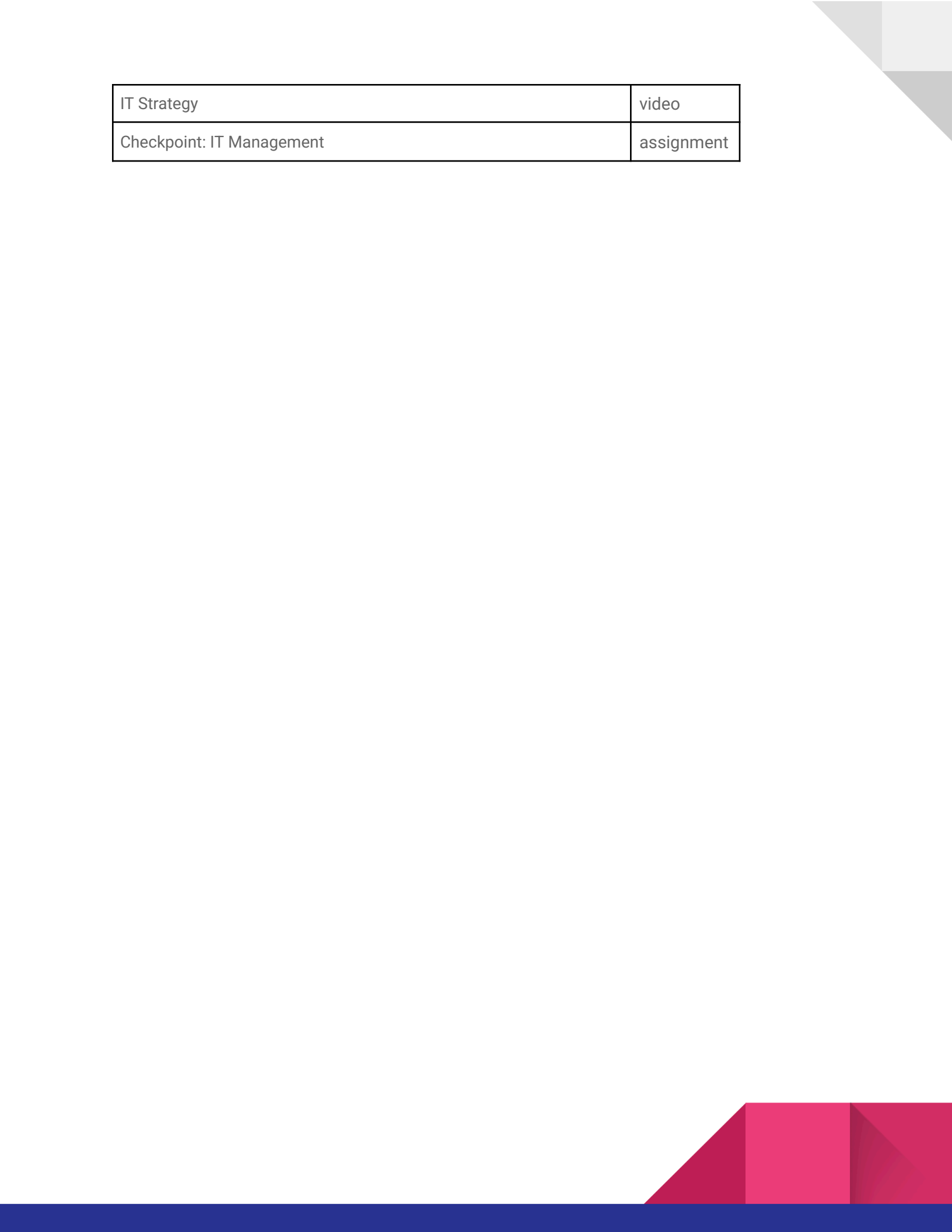
IIBA® Knowledge Areas alignment	Business analysis knowledge (KA7) Requirements Analysis & Design Definition (KA5) Perspective: IT, Cybersecurity
PMI® Talent Triangle alignment	Ways of working: apply the right technique at the right time, adjust approach based on type of automation deployed

Title	Type
Introduction to Cybersecurity	video
Security at Rest	video
Authorisation	video
Security in Transit	video
Recommended reading	reading
Checkpoint: Cybersecurity	assignment

Module 7: IT management

IIBA® Knowledge Areas alignment	Business analysis knowledge (KA7) Strategy Analysis (KA4) Perspective: IT
PMI® Talent Triangle alignment	Business Acumen: macro and micro influences in the organisation and industry and domain-specific knowledge

Title	Type
IT Management	video
IT Inventory	video
Help Desk	video

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IT Strategy	video
Checkpoint: IT Management	assignment