



“5G 時代下的數位治理”

全境啟動：超光速虛實整合

FST Network

Powered by





2009-13 NCCU, BSc Computer Science
2014-15 Warwick University, MSc Engineering Business
Management

2014-18 Innovate UK, Affiliated Partner
TechUK, Affiliated Partner
Digital Catapult, Associate Member
Way-In-Code Ltd, Solution Architect
Taiwan Business Chamber (Young), Vice President

2017-now FST Network, CEO
2018-now Worshipful Company of International Banker, Associate

Futuristic 未來感 vs. Future 未來

System Map / Main Area

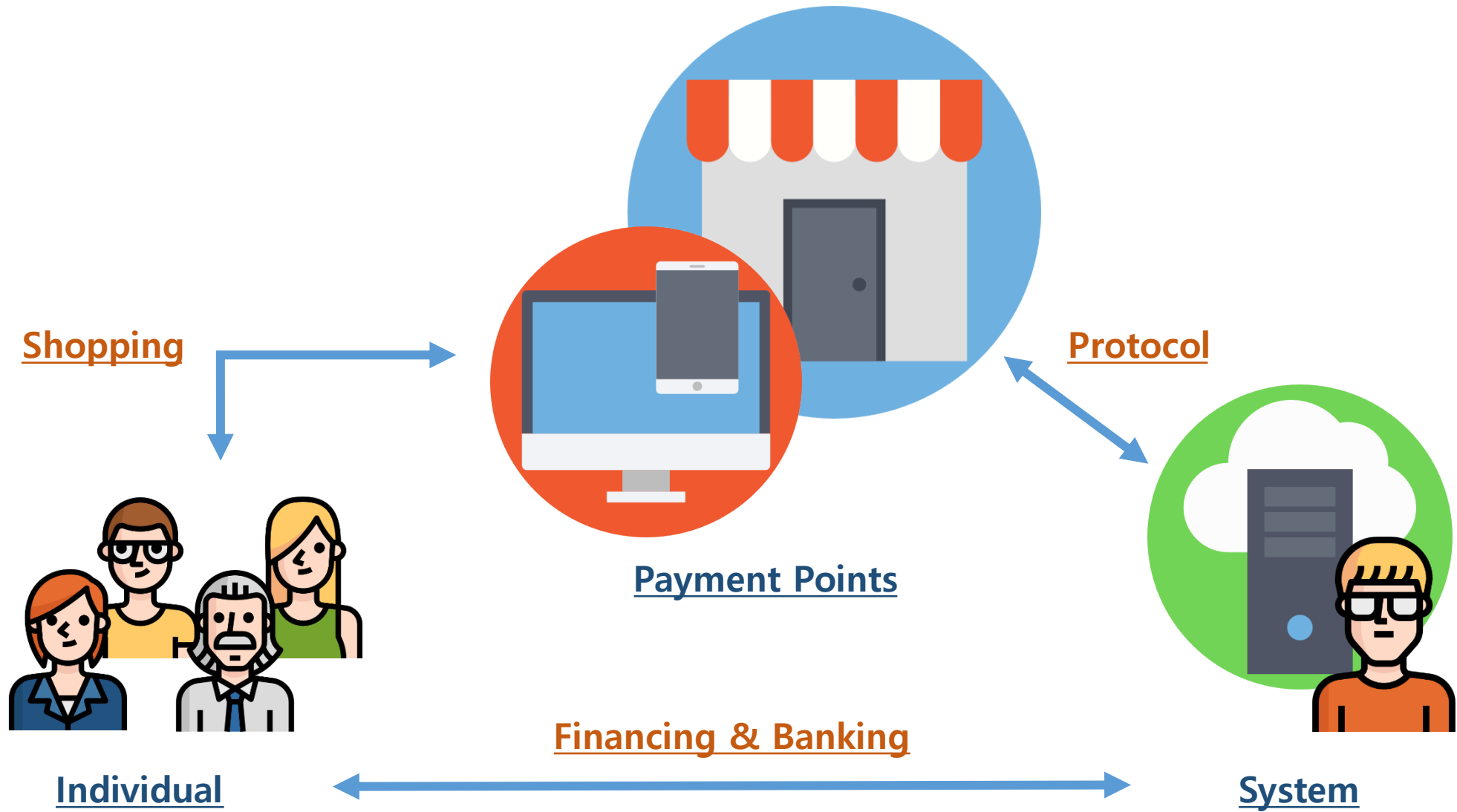


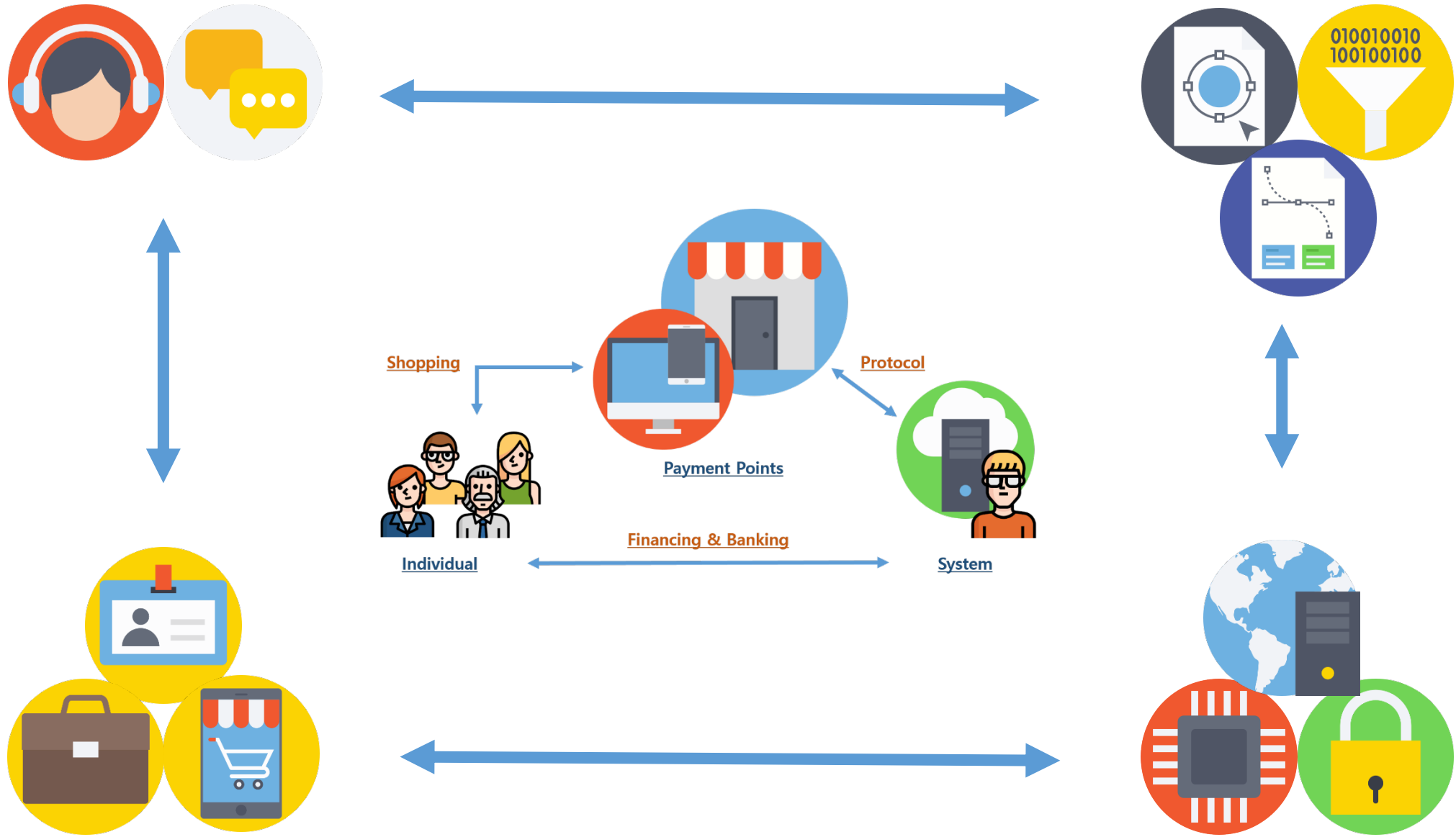
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Key Puzzle 關鍵拼圖







TESCO
British
Strawberries

A taste of summer
HAND-PICKED • PERFECT WITH CREAM

TESCO
EXPERT'S CHOICE
FRESHNESS
& QUALITY
SINCE 1959



Best before **19 AUG**
Grown in
WILTSHIRE, SCOTLAND
by **ROSS MITCHELL**
Variety
SONATA
Weight **400g e**
SC: KG78



ORG BANANAS	1.39
PINEAPPLE	1.00
KIWI FRUIT	1.50
G WATERMELON	3.50
STRAWBERRIES	2.00

Remove Savings 0.00 5 9.39 Item

Scan as you shop

Self scan checkouts

Card only

FOOD TO GO



Welcome
Card only

Waitrose
the good food people

The big smile from 32% of our customers

A self-scan checkout terminal with a touchscreen display showing a 'Welcome Card only' message. A white Waitrose shopping bag is placed to the left of the terminal.



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A white plastic shopping bag with the Waitrose logo and a green checkmark graphic.



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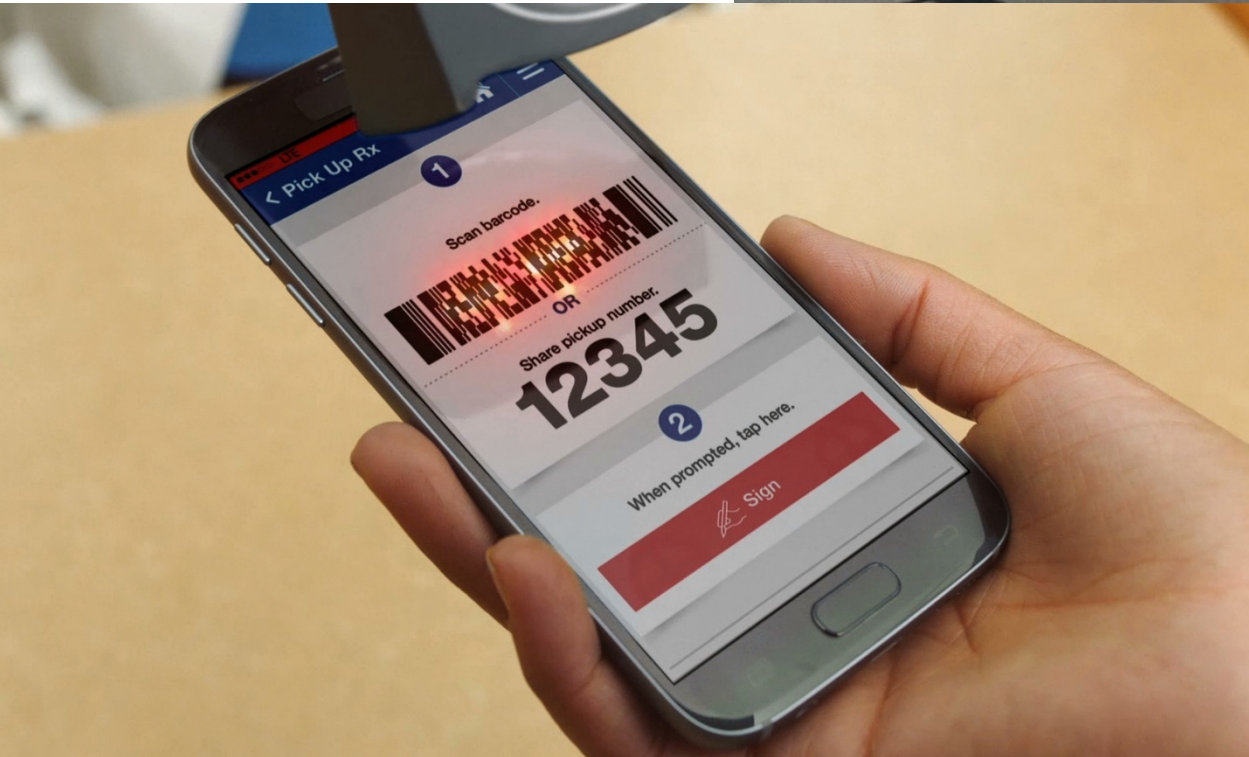


5G 熱門話題





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5G Network: Supporting the Digital Transformation of Different Sectors



5G will enable anytime, anywhere free-roaming immersive experience, which will make eMBB services the killer apps in the early 5G era and drive the rapid growth of 5G tech.



Using 5G networks, intelligent driving technology will be safer and more efficient. By 2025, fully driverless vehicles are expected to become mainstream.



Smart grids integrate information, communication, and control technology with traditional power systems to improve power grid security, stability, and operating efficiency.



5G's unprecedented connectivity capabilities will transform production, sales, and business models that will benefit manufacturers and consumers alike.



Powered by 5G, the ubiquity of health monitoring and diagnosis will make for efficient, low-cost medical services that will lead to a much healthier world.

資訊、資料人的飯碗？ 打工仔？ 專家？

5G - 十年 Buzzword 大統合

人工智慧 AI 找出資料的歸納，過濾或編排更精準的分析結果，**增加體驗**

物聯網 IoT 將萬物與資訊系統相連，虛實整合，使生活便利快速，溝通流暢，**提高便利性**

車聯網 CN 讓移動裝置與物聯網相接，動靜整合，使移動時的空間成本產生效益，**擴增應用與提高便利性**

區塊鏈 BC 讓身分系統與網絡基礎建設優化，使成本降低，流程簡化，資料順流，錯誤去除，增加科技整合度，**擴增應用與增加體驗**

辨識系統 IV 使人機互動更為快速、簡便，**增加體驗與提高便利性**

營運面

身分與執行管理

釐清環境中執行之數位身分與合法性。

驗證、核實與紀錄

對的人看對的資料，勾稽與紀錄正確地「元資料」訊息，進行標籤化治理。

交割、給付、結匯與清算

將資訊從不同身分中進行安全轉讓。將轉讓後的資訊進行數學運算，使其成為一正確且獨立的最後結果。

串聯、服務架構化、平台化

將多個服務透過 EAI 進行整合，並建立能夠自動運行且運作的 ESB。

效能、運算、存儲與備份

運用有效的雲原生結構，配上正確的服務架構設計，將資訊備份，並歸檔於正確的資料庫中。

5G 時代的實作難題

身分與執行管理

數位身分的定義?

驗證、核實與紀錄

大量手動流程、ETL 與 RPA 的訊息不透明怎麼處理? 大量資料斷點如何解決? 如何做到事件還原與勾稽?

交割、給付、結匯與清算

如何有效的運用協定層解決問題? 如何做到分布式的 **Trustless** 結構?

串聯、服務架構化、平台化

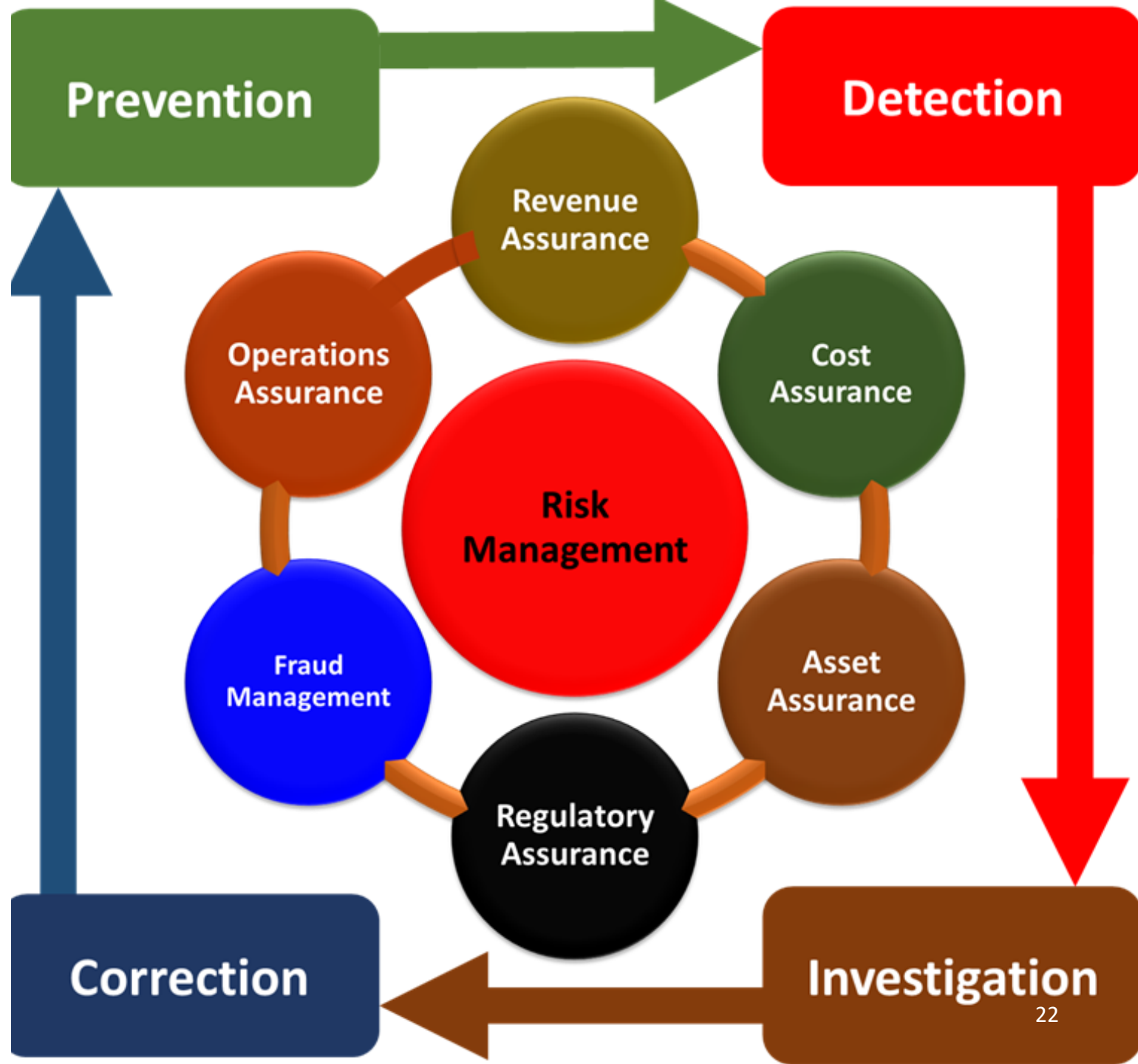
如何清理不符合標準、不堪用之 **Legacy**? 組織政治如何不阻礙推動與發展?

效能、運算、存儲與備份

資訊安全、資料安全如何取捨?

如何做好治理？

Tough Reality



Again : 5G 時代的實作難題

身分與執行管理

數位身分的定義?

驗證、核實與紀錄

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效能、運算、存儲與備份

資訊安全、資料安全如何取舍?

智能、鏈結的未來：

提高便利性；擴增應用；增加體驗。





Thank you for your attention

... Jack C.