



Classroom

Bitcoin Applications

Bitcoin Applications
Bundle description

Module 1 - Bitcoin and financial applications

Description



The **main financial applications** of Bitcoin and related products, with practical examples and testimonials from industry professionals, with an assessment of **market potential** and **key**

investment strategies

Duration: 4 hours

Format: Training classroom

Contents

- Risk/return analysis
- Correlation with other assets
- Role as a hedge

Bitcoin as an alternative asset in financial portfolios

Bitcoin ETFs

- Regulated products
- Accessibility and costs
- Impact on price and market dynamics

Bitcoin and long-term wealth planning

- Inheritance
- Fiduciary management
- Multi-sig approach

The integration of Bitcoin into traditional banking and financial services

- Payment instrument
- Institutional custody
- Other services

Corporate treasury models with Bitcoin

Case studies

Module 2 - Bitcoin and commercial applications

Description



The **main commercial applications** of Bitcoin, the possibilities for **accepting Bitcoin as a payment method**, and the resulting impacts, through some concrete examples and the

presentation of some **open source tools**.

Duration: 4h

Format: Training classroom

Contents

Accepting Bitcoin as a merchant: tools and strategies

- Wallet
- POS
- Lightning Network
- Stablecoins on Bitcoin

Tax and accounting advantages for companies using Bitcoin

- Tax treatment
- Immediate conversion
- Compliance

International payments and remittances with Bitcoin

- Cost reduction
- Speed and security
- Disintermediation
- User Experience

Concrete examples of Bitcoin acceptance

Company case studies

Module 3 - Bitcoin adoption in the world

Description



The **process of Bitcoin adoption** is proceeding at very different speeds and is finding natural ground in some countries characterized by **difficult political and/or economic**

situations. Through concrete examples and direct testimonials, the module aims to highlight some **very important applications**.

Duration: 4h

Format: Training classroom

Contents

Bitcoin in countries with high inflation

Case studies

El Salvador, Bitcoin, and the interventions of the International Monetary Fund

- Stories and impact
- Recent developments

Bitcoin and mining in Africa

Mining and electrification

Bitcoin as a tool for financial freedom in authoritarian regimes

Case studies

Bitcoin and humanitarian aid: a new paradigm for NGOs

Case studies

Module 4 - Bitcoin ecosystem evolution

Description



Although its main purpose is clarified in the opening words of **the White Paper**, over the years Bitcoin has undergone **significant evolution** both in terms of **narrative** and in terms

of **applications** which, in compliance with **the basic rules of the protocol**, are gradually emerging. This module aims to provide an overview of the general situation, the **main applications**, the most controversial ones, and those with the greatest potential for disruption, with a focus on **scalability** and its impact on payments.

Duration: 4h

Format: Training classroom

Contents

Lightning Network: the state of the art and future developments

- Privacy
- Performance
- Adoption

Taproot Assets and RGB Protocol: tokenized assets on Bitcoin

- Stablecoins
- Security Tokens
- NFT

Bitcoin and DeFi: the frontiers of decentralized finance "Bitcoin-native"

- Infrastructure and security
- Smart Contracts
- Emerging Projects

Ordinals and Bitcoin NFTs

- Cultural impact
- Technical Impact
- Controversies

Interoperability and cross-chain: bridges between Bitcoin and other ecosystems

- Layer 2 solutions
- Atomic Swap
- Multi-chain protocols