

5 Types of Cyber Attacks and Their Impact on the Financial System

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1. Deletion of Critical Data

Compromise of the **availability of data** critical for the accurate and effective functioning of payments, clearing and settlement processes through data deletion.



2. Manipulation of Critical Data

Compromise of **integrity** of data critical for the accurate and effective functioning of payments, clearing and settlement processes through data deletion.



3. Disruption of Critical Industry-Wide Services

Disrupted **availability** of critical payments, clearing and settlement services of multiple institutions for an extended period of time.

5. Theft of Critical Non-Public Information

Compromised **confidentiality** of industry-critical non-public information in insider trading, market manipulating action or intelligence gathering.

4. Fraudulent Transactions Leveraging Central Infrastructure

Initiation of fraudulent transactions leveraging critical payments infrastructure.



To read about response and recovery strategies to combat these cyber-attacks, please read [DTCC's white paper on large scale cyber-attacks on the financial system.](#)

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