



Introduction to Blockchain Technology

Objectives



Objective

Describe the basic
blockchain data
structure



Objective

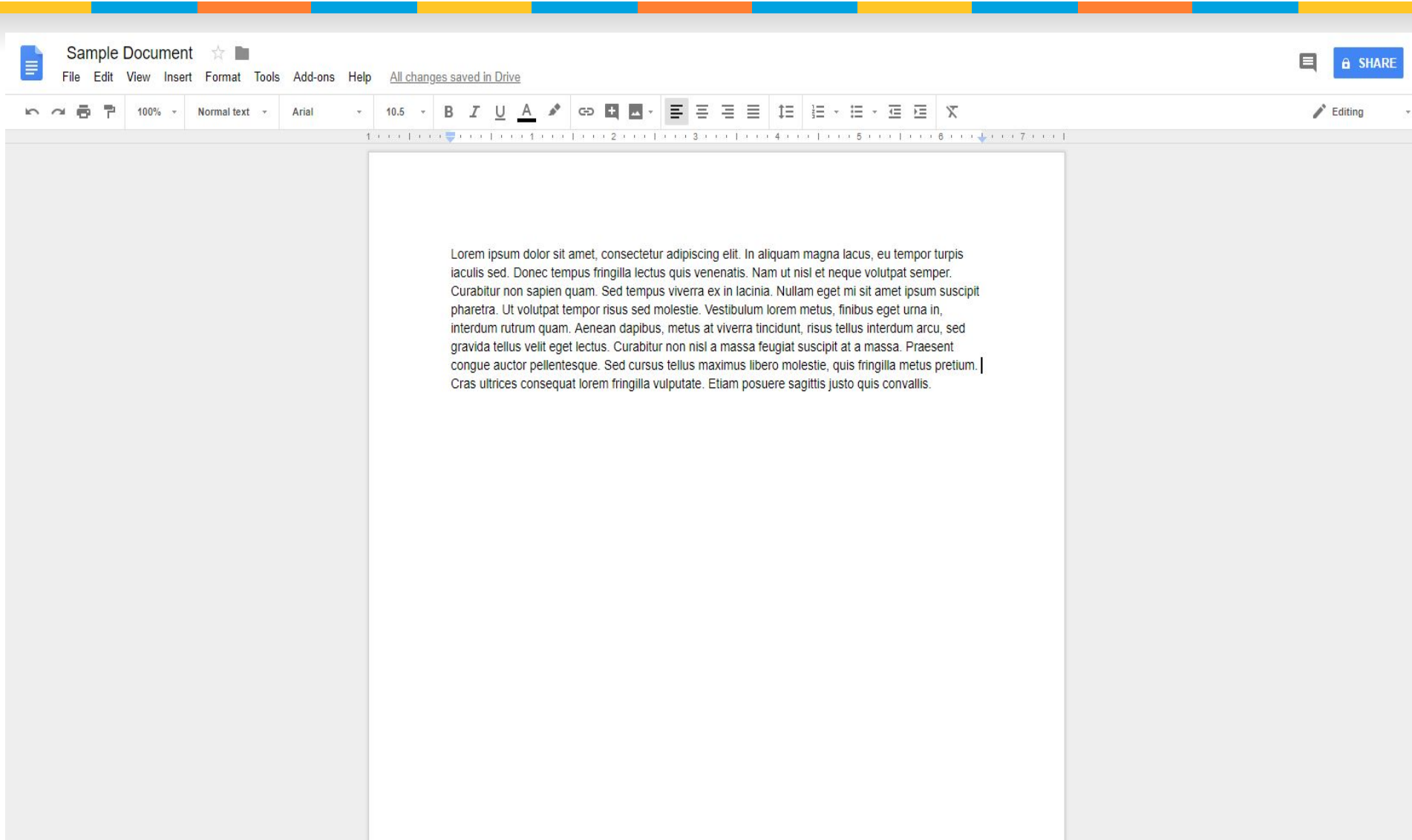
Describe key benefits
of blockchain
technology



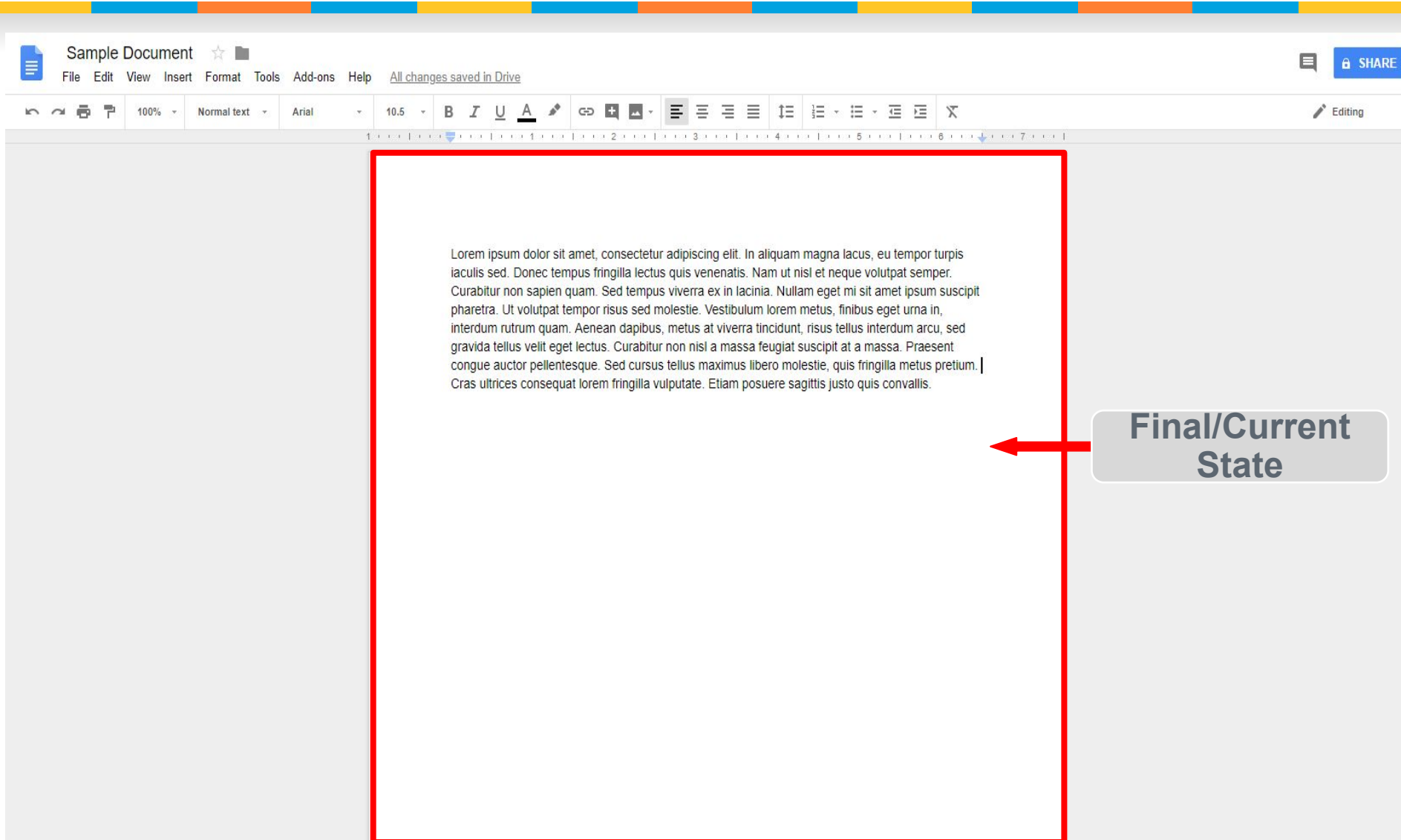
Objective

Identify an industry
that can be improved
with the benefits of
blockchain

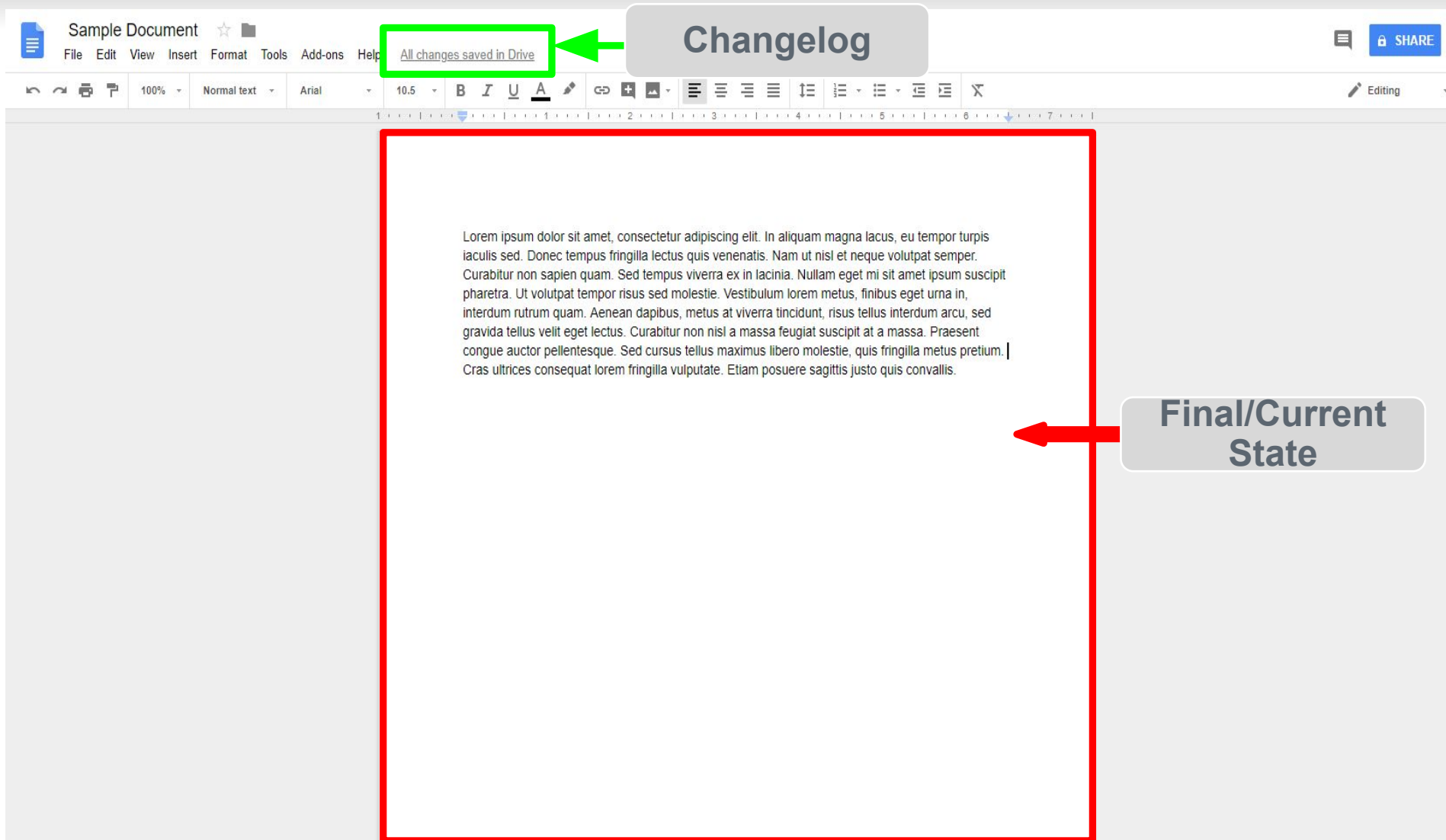
What is blockchain technology?



What is blockchain technology? (con't)



What is blockchain technology? (continued)



Changelog - Detail

← Today, 3:46 PM



100% ▾

Total: 1 edit



Version history

Only show named versions ☒

Today

▶ **June 27, 3:46 PM** ⋮

Current version

■ Jeremy Liu

June 27, 3:44 PM

■ Jeremy Liu

Lorem ipsum dolor sit amet, consectetur adipiscing elit. In aliquam magna lacus, eu tempor turpis iaculis sed. Donec tempus fringilla lectus quis venenatis. Nam ut nisl et neque volutpat semper. Curabitur non sapien quam. Sed tempus viverra ex in lacinia. Nullam eget mi sit amet ipsum suscipit pharetra. Ut volutpat tempor risus sed molestie. Vestibulum lorem metus, finibus eget urna in, interdum rutrum quam. Aenean dapibus, metus at viverra tincidunt, risus tellus interdum arcu, sed gravida tellus velit eget lectus. Curabitur non nisl a massa feugiat suscipit at a massa. Praesent congue auctor pellentesque. Sed cursus tellus maximus libero molestie, quis fringilla metus pretium. Cras ultrices consequat lorem fringilla vulputate. Etiam posuere sagittis justo quis convallis.

☒ Show changes

Changelog – Detail, continued

← Today, 3:46 PM

100% ▼

Total: 1 edit ^ ▼

Version history

Only show named versions ☐

Today

▶ **June 27, 3:46 PM** ⋮

Current version

Jeremy Liu

June 27, 3:44 PM

Jeremy Liu

Who

✓ Show changes

Lorem ipsum dolor sit amet, consectetur adipiscing elit. In aliquam magna lacus, eu tempor turpis iaculis sed. Donec tempus fringilla lectus quis venenatis. Nam ut nisl et neque volutpat semper. Curabitur non sapien quam. Sed tempus viverra ex in lacinia. Nullam eget mi sit amet ipsum suscipit pharetra. Ut volutpat tempor risus sed molestie. Vestibulum lorem metus, finibus eget urna in, interdum rutrum quam. Aenean dapibus, metus at viverra tincidunt, risus tellus interdum arcu, sed gravida tellus velit eget lectus. Curabitur non nisl a massa feugiat suscipit at a massa. Praesent congue auctor pellentesque. Sed cursus tellus maximus libero molestie, quis fringilla metus pretium. Cras ultrices consequat lorem fringilla vulputate. Etiam posuere sagittis justo quis convallis.

Changelog – Detail, continued (2)

← Today, 3:46 PM

100% Total: 1 edit

Version history

Only show named versions

Today

▶ June 27, 3:46 PM
Current version
■ Jeremy Liu

June 27, 3:44 PM
■ Jeremy Liu

Who

What

What

Who

✓ Show changes

Lorem ipsum dolor sit amet, consectetur adipiscing elit. In aliquam magna lacus, eu tempor turpis iaculis sed. Donec tempus fringilla lectus quis venenatis. Nam ut nisl et neque volutpat semper. Curabitur non sapien quam. Sed tempus viverra ex in lacinia. Nullam eget mi sit amet ipsum suscipit pharetra. Ut volutpat tempor risus sed molestie. Vestibulum lorem metus, finibus eget urna in, interdum rutrum quam. Aenean dapibus, metus at viverra tincidunt, risus tellus interdum arcu, sed gravida tellus velit eget lectus. Curabitur non nisl a massa feugiat suscipit at a massa. Praesent congue auctor pellentesque. Sed cursus tellus maximus libero molestie, quis fringilla metus pretium. Cras ultrices consequat lorem fringilla vulputate. Etiam posuere sagittis justo quis convallis.

Changelog – Detail, continued (3)

The screenshot shows a web interface for a changelog. At the top left, a dark header bar contains a back arrow and the text "Today, 3:46 PM", which is circled in red. Below this, a toolbar shows a print icon, "100%", and "Total: 1 edit". The main content area is titled "When" and contains a large red oval around a paragraph of Lorem Ipsum text. A red arrow points from a "What" label to this oval. On the right, a "Version history" sidebar lists two versions: "June 27, 3:46 PM" (Current version, by Jeremy Liu) and "June 27, 3:44 PM" (by Jeremy Liu). The "Jeremy Liu" name in the first entry is circled in red, with a red arrow pointing from a "Who" label. At the bottom right, there is a checkbox labeled "Show changes".

← Today, 3:46 PM

100% Total: 1 edit

When

Lorem ipsum dolor sit amet, consectetur adipiscing elit. In aliquam magna lacus, eu tempor turpis iaculis sed. Donec tempus fringilla lectus quis venenatis. Nam ut nisl et neque volutpat semper. Curabitur non sapien quam. Sed tempus viverra ex in lacinia. Nullam eget mi sit amet ipsum suscipit pharetra. Ut volutpat tempor risus sed molestie. Vestibulum lorem metus, finibus eget urna in, interdum rutrum quam. Aenean dapibus, metus at viverra tincidunt, risus tellus interdum arcu, sed gravida tellus velit eget lectus. Curabitur non nisl a massa feugiat suscipit at a massa. Praesent congue auctor pellentesque. Sed cursus tellus maximus libero molestie, quis fringilla metus pretium. Cras ultrices consequat lorem fringilla vulputate. Etiam posuere sagittis justo quis convallis.

What

Version history

Only show named versions

Today

- ▶ June 27, 3:46 PM
Current version
■ Jeremy Liu
- June 27, 3:44 PM
■ Jeremy Liu

Who

☒ Show changes

The Takeaway

The diagram illustrates the integration of Google Docs and Google Drive. On the left, a Google Docs editor window is shown with a document containing Lorem Ipsum text. The top bar indicates 'Today, 3:46 PM' and 'Total: 1 edit'. On the right, a Google Drive interface is shown, featuring a 'Sample Document' with a version history sidebar. The sidebar lists two versions: 'June 27, 3:46 PM' (Current version, by Jeremy Liu) and 'June 27, 3:44 PM' (by Jeremy Liu). The main document area in Drive shows the same Lorem Ipsum text. A large plus sign is positioned between the two interfaces, symbolizing their integration.

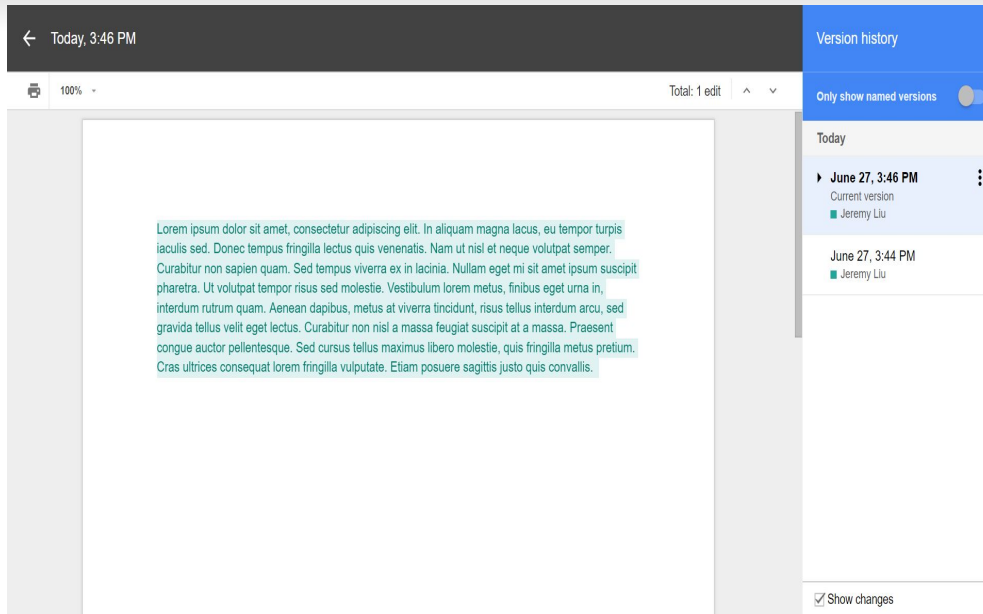
Google Docs Editor (Left):

- Top bar: Today, 3:46 PM
- Zoom: 100%
- Total: 1 edit
- Document content: Lorem ipsum dolor sit amet, consectetur adipiscing elit. In aliquam magna lacus, eu tempor turpis iaculis sed. Donec tempus fringilla lectus quis venenatis. Nam ut nisl et neque volutpat semper. Curabitur non sapien quam. Sed tempus viverra ex in lacinia. Nullam eget mi sit amet ipsum suscipit pharetra. Ut volutpat tempor risus sed molestie. Vestibulum lorem metus, finibus eget urna in, interdum rutrum quam. Aenean dapibus, metus at viverra tincidunt, risus tellus interdum arcu, sed gravida tellus velit eget lectus. Curabitur non nisl a massa feugiat suscipit at a massa. Praesent congue auctor pellentesque. Sed cursus tellus maximus libero molestie, quis fringilla metus pretium. Cras ultrices consequat lorem fringilla vulputate. Etiam posuere sagittis justo quis convallis.

Google Drive Interface (Right):

- Document title: Sample Document
- Version history sidebar:
 - Only show named versions: ☐
 - Today
 - June 27, 3:46 PM
 - Current version
 - Jeremy Liu
 - June 27, 3:44 PM
 - Jeremy Liu
- Document content: Lorem ipsum dolor sit amet, consectetur adipiscing elit. In aliquam magna lacus, eu tempor turpis iaculis sed. Donec tempus fringilla lectus quis venenatis. Nam ut nisl et neque volutpat semper. Curabitur non sapien quam. Sed tempus viverra ex in lacinia. Nullam eget mi sit amet ipsum suscipit pharetra. Ut volutpat tempor risus sed molestie. Vestibulum lorem metus, finibus eget urna in, interdum rutrum quam. Aenean dapibus, metus at viverra tincidunt, risus tellus interdum arcu, sed gravida tellus velit eget lectus. Curabitur non nisl a massa feugiat suscipit at a massa. Praesent congue auctor pellentesque. Sed cursus tellus maximus libero molestie, quis fringilla metus pretium. Cras ultrices consequat lorem fringilla vulputate. Etiam posuere sagittis justo quis convallis.

Final/current state as an account



+

Alice:
5 BTC

Bob:
2 BTC

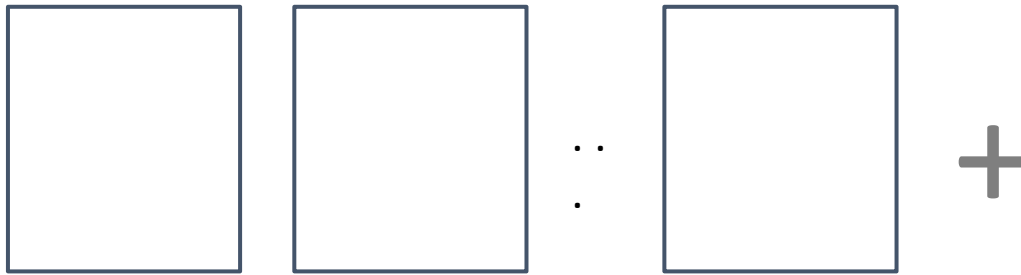
John:
21 BTC

Joe:
1 BTC

Amy:
0.6 BTC

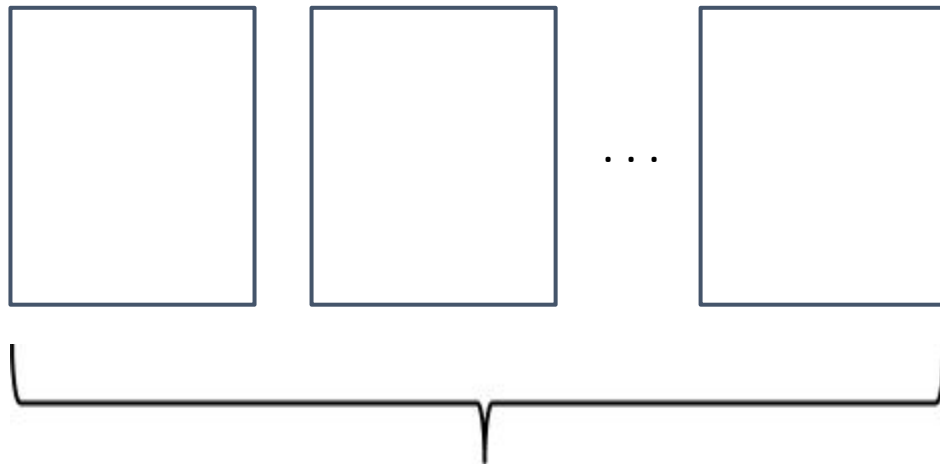
Leslie:
43 BTC

From changelog to blocks



Alice:
5 BTC
Bob:
2 BTC
John:
21 BTC
Joe:
1 BTC
Amy:
0.6 BTC
Leslie:
43 BTC

From blocks to blockchain



Blockchain

+

Alice:
5 BTC
Bob:
2 BTC
John:
21 BTC
Joe:
1 BTC
Amy:
0.6 BTC
Leslie:
43 BTC

Blockchain - detail

Block 100



Block 101



...

Block n

