WHAT IS CLAIMED IS:

1. A method comprising:

receiving, at a processing system comprising a token service computer from a token requestor, a token data request message comprising an initial resource provider identifier associated with a resource provider operating a resource provider computer;

determining, by the processing system, a permanent resource provider identifier using the initial resource provider identifier;

responsive to determining the permanent resource provider identifier, determining, by the processing system, a verification value;

associating, by the processing system, the permanent resource provider identifier with a token, the verification value, and domain controls associated with the token;

providing, by the processing system, a token data response message comprising the verification value to the token requestor;

receiving, by the processing system, an authorization request message for a transaction, the authorization request message comprising the token, the verification value, and one or more data elements in a plurality of data fields;

determining, by the processing system, the permanent resource provider identifier using the one or more data elements in the plurality of data fields;

determining, by the processing system, that the verification value in the authorization request message matches the verification value that was provided to the token requestor, and that the transaction satisfies the domain controls; and

transmitting, by the processing system, an authorization response message to the resource provider computer, and wherein the method further comprises:

before the authorization request message is received by the processing system, temporarily linking, by the processing system, the permanent resource provider identifier, the initial resource provider identifier, and the token; and

after the authorization response message is transmitted, permanently linking, by the processing system, the permanent resource provider identifier, the initial resource provider identifier, and the token.

2. The method of claim 1, wherein the initial resource provider identifier is a resource provider URL.

3. The method of claim 1, wherein the initial resource provider identifier is also the permanent resource provider identifier.

4. The method of claim 1, wherein the token requestor is a browser on a user device.

5. The method of claim 1, wherein the token data request message further comprises the token.

6. The method of claim 1, wherein the verification value is exactly three digits.

7. The method of claim 1, wherein the token data request message comprises a token reference identifier that is associated with the token, and the token data response message comprises the token.

8. The method of claim 1, comprising:

transmitting the authorization request message to an authorizing entity computer for authorization.

9. The method of claim 8, wherein the authorizing entity computer generates the authorization response message after receiving the authorization request message, and wherein the method further comprises:

receiving, by the processing system, the authorization response message from the authorizing entity computer

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10. The method of claim 1, wherein the token requestor is a browser that interacts with a host site on the resource provider computer operated by the resource provider.

11. The method of claim 10, wherein the browser displays a number of data fields of fixed size, and wherein the verification value is automatically filled into one of the data fields.

12. The method of claim 1, wherein the token requestor is a browser on a user device, and wherein the token data request message further comprises a user device identifier for the user device, and wherein the processing system validates the user device identifier before providing the verification value.

13. The method of claim 1, wherein the verification value is valid for only one transaction.

14. A processing system comprising:

one or more processors; and

one or more non-transitory computer readable media, comprising code, executable by the one or more processors, to implement a method comprising:

receiving, from a token requestor, a token data request message comprising an initial resource provider identifier associated with a resource provider operating a resource provider computer;

determining a permanent resource provider identifier using the initial resource provider identifier;

responsive to determining the permanent resource provider identifier, determining a verification value;

associating the permanent resource provider identifier with a token, the verification value, and domain controls associated with the token;

providing a token data response message comprising the verification value to the token requestor;

receiving an authorization request message for a transaction, the authorization request message comprising the token, the verification value, and one or more data elements in a plurality of data fields;

determining the permanent resource provider identifier using the one or more data elements in the plurality of data fields;

determining that the verification value in the authorization request message matches the verification value that was provided to the token requestor, and that the transaction satisfies the domain controls; and

transmitting an authorization response message to the resource provider computer, wherein the method further comprises:

before the authorization request message is received by the processing system, temporarily linking the permanent resource provider identifier, the initial resource provider identifier, and the token; and

after the authorization response message is transmitted, permanently linking the permanent resource provider identifier, the initial resource provider identifier, and the token.

15. The processing system of claim 14, wherein the processing system comprises a token service computer and a processing computer.

16. The processing system of claim 15, wherein the initial resource provider identifier is a URL, and the one or more data elements comprises the URL.

17. A method comprising:

providing, by a token requestor to a processing system comprising a token service computer, a token data request message comprising an initial resource provider identifier associated with a resource provider, wherein the processing system determines a permanent resource provider identifier using the initial resource provider identifier and a verification value, and associates the permanent resource provider identifier with a token, the verification value, and domain controls associated with the token;

receiving, by the token requestor from the processing system a token data response message comprising the verification value to the token requestor; and

providing, by the processing system, the token and the verification value to a resource provider computer associated with the initial resource provider identifier, wherein the resource provider computer transmits an authorization request message for a transaction to the processing system, the authorization request message comprising

the token, the verification value, and one or more data elements in a plurality of data fields, wherein the processing system determines the permanent resource provider identifier using the one or more data elements in the plurality of data fields, determines that the verification value in the authorization request message matches the verification value that was provided to the token requestor, and that the transaction satisfies the domain controls, and wherein before the authorization request message is received by the processing system, the processing system temporarily links the permanent resource provider identifier, the initial resource provider identifier, and the token; and then later permanently links the permanent resource provider identifier, the initial resource provider identifier, and the token.

18. The method of claim 17, wherein the token requestor is a browser on a user device.

19. The method of claim 18, wherein the user device is a mobile phone.