Permissions-Policy: loopback-network directive

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The HTTP Permissions-Policy header `loopback-network` directive controls whether the current document is allowed to make network requests to loopback addresses.

A loopback address is only accessible on the local host; its target will differ on every device. For example, `127.0.0.1`, which is generally known as `localhost`.

Specifically, where a defined policy blocks use of this feature, requests to loopback addresses will always fail.

See Local Network Access for more details.

Syntax

```
Permissions-Policy: loopback-network=<allowlist>;
```

- `<allowlist>`
  - : A list of origins for which permission is granted to use the feature. See `Permissions-Policy` > Syntax for more details.

Default policy

The default allowlist for `loopback-network` is `self`. The top-level browsing context and same-origin iframes are allowed access to the `loopback-network` feature by default.

Examples

Basic usage

SecureCorp Inc. wants to disallow `loopback-network` within all cross-origin iframes except those whose origin is `https://example.com`. It can do so by delivering the following HTTP response header to define a Permissions Policy:

```
Permissions-Policy: loopback-network=(self "https://example.com")
```

SecureCorp Inc. must also include an allow attribute on each `<iframe>` element where `loopback-network` is to be allowed:

```
<iframe src="https://example.com/lna" allow="loopback-network"></iframe>
```

> **NOTE:** Specifying the `Permissions-Policy` header in this manner disallows `loopback-network` for other origins, even if they are allowed by the `<iframe>` `allow` attribute.

Using the default policy

If an allowlist for `loopback-network` is not defined by a `Permissions-Policy` response header, user agents will apply the default allowlist `self`. In this mode, `loopback-network` is automatically allowed in the top-level browsing context and same-origin iframes, but not in cross-origin iframes.

To allow `loopback-network` in a cross-origin iframe, include an allow attribute on the `<iframe>` element:

```
<iframe src="https://other.com/lna" allow="loopback-network"></iframe>
```

Specifications

Browser compatibility

See also

- Local Network Access
- Permissions-Policy header
- Permissions Policy

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