

Messaging, Origins, etc.

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`postMessage()` is somewhat difficult to hold correctly.

```
window.addEventListener("message", e => {  
    if (e.origin.indexOf("trusted.example")) {  
        doSensitiveThing(e.data);  
    }  
});
```

```
postMessage({ ... }, "*");
```

```
window.addEventListener("message", e => {  
  if (e.origin.indexOf("trusted.example.com") > -1) {  
    doSensitiveThing(e.data);  
  }  
});
```

```
postMessage({ . "*" });
```

<iframe sandbox>

trusted.example.com

```
window.addEventListener("message", e => {  
  const trusted = Origin("https://trusted.example/");  
  if (Origin.from(e).isSameSite(trusted)) {  
    doSensitiveThing(e.data);  
  }  
});  
  
postMessage({ ... }, originThatMessagedMeBefore);
```

Forcing point-of-use checks
is inherently error prone. We
should consider alternatives:

```
window.addEventListener('message-same-site', e => {  
  // Safely proceed without doing any  
  // `e.origin` checks!  
});
```

```
const handler = e => {  
    // Safely proceed without doing  
    // any `origin` checks!  
};  
const originAllowList = [  
    new URLPattern("https://{*.}?site.example"),  
    new URLPattern("https://subdomain.other.site"),  
];  
window.addFilteredMessageEventListener(  
    handler,  
    originAllowList);
```