

Zimbra

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**Re: WebBluetooth API discussion R2**

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**From :** Jamin Liu <jaLiu@mozilla.com>

Thu, Apr 03, 2014 05:29 PM

**Subject :** Re: WebBluetooth API discussion R2**To :** Ben Tian <btian@mozilla.com>,  
echou@mozilla.com, gyeh@mozilla.com,  
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Hi all,

Here is the meeting minutes of our WebBluetooth API discussion R2.  
Thank you for your attendance.

We have three major conclusions in this meeting.

**1) How should we handle the reply of pairing request ?**

There are four types of reply for pairing.

Display Passkey ( [ondisplaypasskeyreq](#) )  
Enter Passkey ( [onenterpasskeyreq](#) )  
Confirm ( [onpairingconfirmationreq](#) )  
Consent ( [onpairingconsentreq](#) )

**Option 1:** Remain the last version in WebBluetooth API discussion R1.

```
adapter.setPasskey(address, passkey);  
adapter.setPairingConfirmation(address, confirm);
```

**Option 2:** Design 4 pairing events.

```
interface BluetoothPairingEvent : Event { // CONSENT  
  readonly attribute BluetoothDevice device;  
  readonly attribute BluetoothPairingType type;  
};
```

```
interface BluetoothEnterPasskeyEvent : BluetoothPairingEvent {  
  readonly attribute DOMString passkey;  
  DOMRequest setPasskey(DOMString aPassKey);
```

```

};

interface BluetoothPairingConfirmationEvent : BluetoothPairingEvent {
  readonly attribute DOMString passkey;
  DOMRequest setPairingConfirmation(bool aConfirm);
};

interface BluetoothDisplayPasskeyEvent : BluetoothPairingEvent {
  readonly attribute DOMString passkey;
};

```

**Option 3:** Use a BluetoothPairingObject to handle different cases.

```

enum BluetoothPairingType {
  DISPLAY_PASSKEY,
  ENTER_PASSKEY,
  PAIRING_REQUEST,
  CONSENT
};

interface BluetoothPairingEvent : Event {
  readonly attribute BluetoothDevice device;
  readonly attribute BluetoothPairingObject object;
  readonly attribute BluetoothPairingType type;
};

interface BluetoothPairingObject {
  readonly attribute DOMString? passkey;
  DOMRequest setPasskey(DOMString aPassKey); // may reply error
  DOMRequest setPairingConfirmation(bool aConfirm); // may reply error
};

```

→ [The option 3 won the votes](#)

## 2) Use **four** paring listeners or **one** paring listener ?

( Since we picked option 3 for topic 1, we would have "pairing type" in event. )

**Option 1:** **Four** paring listeners (*Remain Unchanged*)

[ondisplaypasskeyreq](#)  
[onenterpasskeyreq](#)  
[onpairingconfirmationreq](#)  
[onpairingconsentreq](#)

**Option 2: One** pairing listener  
onpairingreq()

→ [Pick option1](#)

**Evelyn:** Support option 2 → Support option 1 ( Be convinced by Gene. ) →  
**Support option 1** ( for flexibility )

**Gene:** Support option 1 → Support option 2 ( Be convinced by Evelyn. )

**Ian:** Accept both. No strong opinion.

**Arthur:** Accept both. No strong opinion.

### 3) Use inherited 'type' or add a customized 'type' to indicate the type of pairing event?

**Evelyn:** Since we use different event listeners for different pairing event, we could use inherited 'type' of interface **Event** .

e.g The 'type' of [ondisplaypasskeyreq](#) should be 'displaypasskeyreq' and gaia guys could use it to determine the operation of pairing reply.

→ [The inherited 'type'](#)

Regards,  
Jamin

On 2014年04月03日 09:50, Ben Tian wrote:

Hi all,

Just a reminder that we have [WebBluetooth API discussion R2 today, 2pm @4F Eden](#). Please be there then and remember to bring some food/drink!

Ben

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寄件備份: 2014 3 月 28 星期五 上午 10:29:12

主旨: WebBluetooth API discussion R2

**The following is a new meeting request:**

**Subject:** WebBluetooth API discussion R2

**Organizer:** "Ben Tian" <[btian@mozilla.com](mailto:btian@mozilla.com)>

**Location:** "TPE-4H Eden" <[tpe-4h@mozilla.com](mailto:tpe-4h@mozilla.com)>

**Resources:** "TPE-4H Eden" <[tpe-4h@mozilla.com](mailto:tpe-4h@mozilla.com)> (TPE-4H Eden)

**Time:** Thursday, April 3, 2014, 2:00:00 PM - 4:00:00 PM GMT  
+08:00 Taipei

**Invitees:** [echou@mozilla.com](mailto:echou@mozilla.com); [gyeh@mozilla.com](mailto:gyeh@mozilla.com); [jaliu@mozilla.com](mailto:jaliu@mozilla.com);  
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[clian@mozilla.com](mailto:clian@mozilla.com); [akuo@mozilla.com](mailto:akuo@mozilla.com)

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Hi all,

Thanks for you attendance last time. This is the 2nd round discussion of WebBluetooth API draft. For the latest draft please refer to <https://wiki.mozilla.org/B2G/Bluetooth/WebBluetooth-v2>  
This time I'll go through the API revisions since last discussion and leave remaining time for further discussion. Hopefully we can settle on the draft in this discussion.

Let me know if you cannot attend at this time slot. Thanks.

Ben

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