Chrome Extension: Background to Content Communication Example

1. manifest.json

```json
{

  "manifest_version": 3,

  "name": "Background to Content Communication",

  "version": "1.0",

  "permissions": [

    "scripting"

  ],

  "background": {

    "service_worker": "background.js"

  },

  "content_scripts": [

    {

      "matches": ["<all_urls>"],

      "js": ["content.js"],

      "css": ["styles.css"]

    }

  ]

}
```

2. styles.css

```css
.dynamic-element {

  position: fixed;

  bottom: 10px;

  right: 10px;

  background-color: #ff0000;

  color: #ffffff;

  padding: 10px;
```

```
    border-radius: 5px;

    z-index: 1000;

    font-size: 14px;

    font-weight: bold;

    box-shadow: 0 4px 8px rgba(0, 0, 0, 0.2);

}
```

3. background.js

```
chrome.tabs.onUpdated.addListener((tabId, changeInfo, tab) => {

  if (changeInfo.status === "complete") {

    chrome.tabs.sendMessage(tabId, { action: "create_element" });

  }

});
```

4. content.js

```
chrome.runtime.onMessage.addListener((message, sender, sendResponse) => {

  if (message.action === "create_element") {

    createDynamicElement();

  }

});


function createDynamicElement() {

  const newDiv = document.createElement('div');

  newDiv.textContent = "I am a dynamically created element!";

  newDiv.classList.add('dynamic-element');

  document.body.appendChild(newDiv);

}
```