



# Survey123 for ArcGIS: Printing Survey Records

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ESRI USER CONFERENCE

GIS  
INSPIRING  
WHAT'S  
NEXT

# Agenda

- **What is the printing survey records from Survey123?**
- **What's new in V3.0?**
- **Demo: Design and generate report template**
- **Demo: Batch print**

Filtered Count: 129 (Total: 129)

2/7/18 - 2/9/18



surveyPoint (Features: 129, Selected: 1)

Untitled Question 1

Untitled Question 3

single choice

Choice 2

Choice 2

Choice 3

Choice 2

Choice 2

Choice 1

Choice 2

Choice 2

Choice 2

Choice 2

Choice 2

Choice 2

Choice 2

Choice 2

test-webhook-choice0

Submitted By: calv8512

Submitted Time: Jul 5, 2018, 2:47:55 PM

Untitled Question 3

Choice 2

single choice

Choice 1

Untitled Question 4

Lat: -1.11504 Lon: 125.354

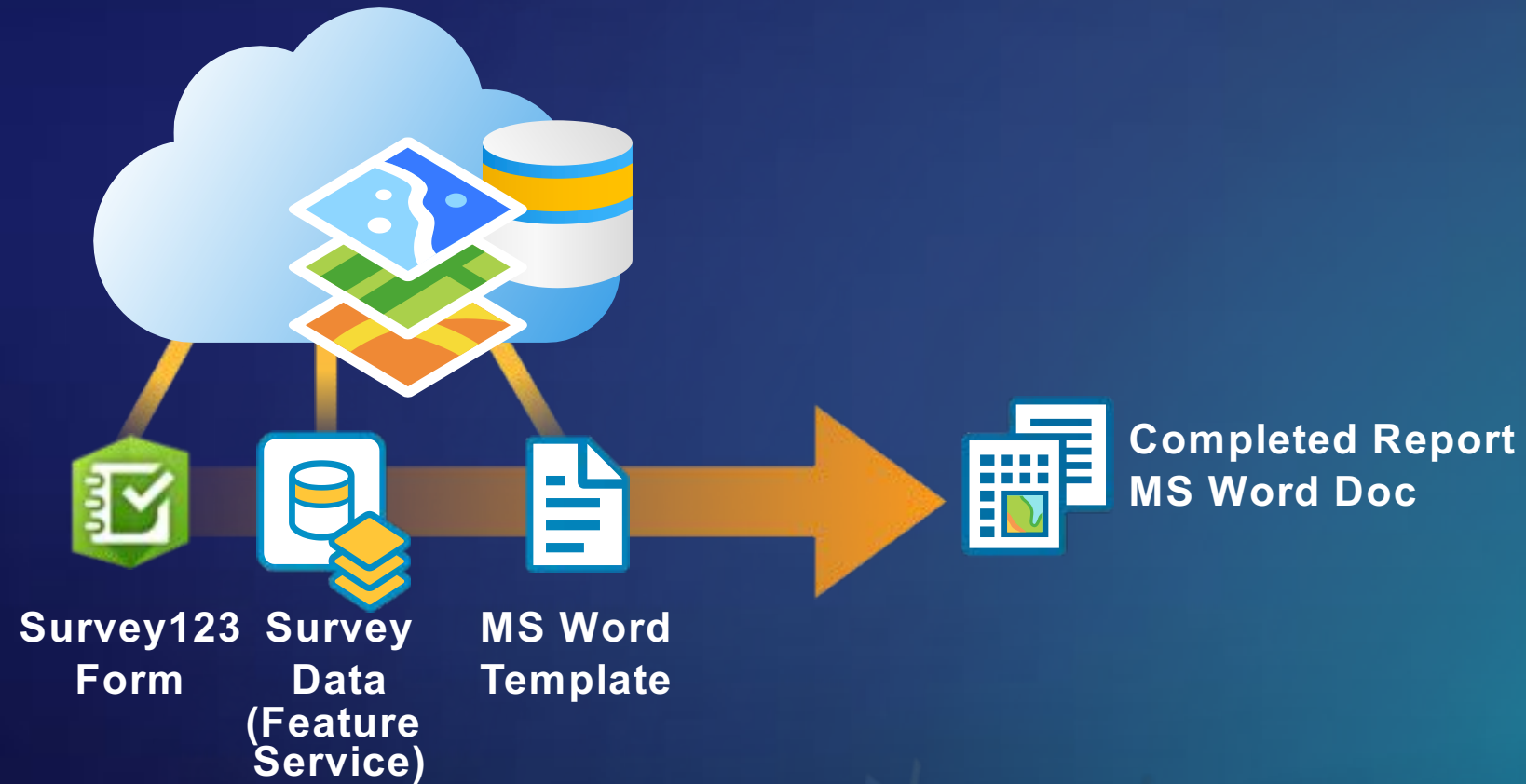


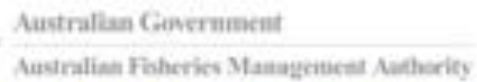
## Print individual response





# Generate Report with Word template





Submitted By: S(Creator)  
Submitted Time: S(CreationDate)

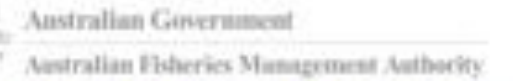
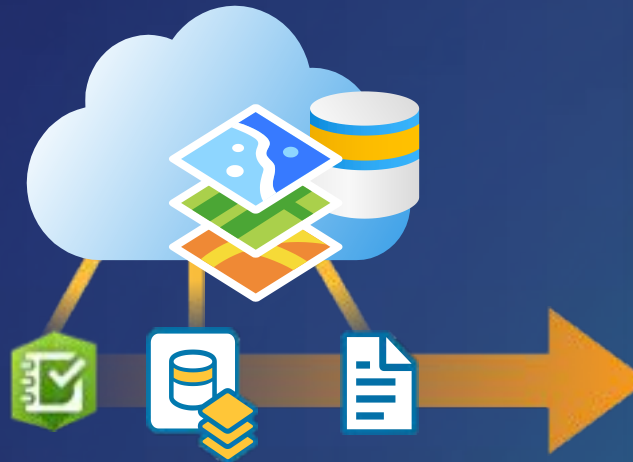
## Summary

Total Fish Count	Max. Fish Size	Min. Fish Size	Total Weight
\$fishCount	\$fishMaxSize	\$fishMinSize	\$totalFishWeight

### Note



5. (Water)



Submitted By: nam2266  
Submitted Time: 09/18/2017 11:46 PM

1. Month <b>08</b>	Day <b>18</b>	Year <b>2011</b>		
2. Fishing License: <b>Standard Licence</b>				
3. Number hours fishing = <b>10</b>				
4. Location				
				
5. Waterbody name <b>Snow Lake</b>				
6. Weather? <b>Partly Cloudy</b>				
Species	Size	Weight	Condition	Photo
<b>Ocr...not a fish</b>	<b>0</b>	<b>4</b>	<input type="checkbox"/> Aggressive <input checked="" type="checkbox"/> Good <input type="checkbox"/> Unhealthy <input type="checkbox"/> Dead	



The background is a solid dark blue gradient. In the top-left corner, there are several thin, parallel diagonal lines in shades of teal, green, and red. In the bottom-right corner, there is a cluster of thicker, overlapping diagonal bars in red, orange, yellow, and green, creating a sense of depth and movement.

**What's new in v3.0?**



# What's new in v3.0?

- **Improve performance**
- **New UI to filter features and manage generated reports**
- **Batch print**
  - Up-to 30 records at once
  - Upload to ArcGIS online
- **If-else conditional syntax**

# Designing and Generating Report Templates



## CITY OF SAN BERNARDINO MUNICIPAL WATER DEPARTMENT

**SUBJECT: NOTICE OF VIOLATION FOR FAILURE TO MEET WATER  
CONSERVATION STANDARD AND ORDER FOR ADDITIONAL INFORMATION**

Dear Property Owner:  
Babe Ruth

On May 5, 2018, the State Water Resources Control Board (State WaterBoard) adopted Resolution 2017-0032, an Emergency Regulation for Statewide Urban Water Conservation (Emergency Regulation) pursuant to Water Code section 1058.5. The Emergency Regulation became effective on May 18, 2018. Among other things, the Emergency Regulations designed to achieve the 25 percent statewide reduction in residential water use through February 2019 ordered by Governor Regulator in his April 1, 2018 executive order.

As of 06/25/2018 10:42 AM our records indicate that you have not met the conservation standard for this month.

Details of the infraction are listed below:

<b>Date &amp; Time Observed:</b> 06/25/2018 10:42 AM	<b>Type:</b> Residence
<b>Type of Violation:</b> Broken sprinkler	
<b>Details:</b> Broken Sprinkler was observed spraying water in wrong direction. This needs to be fixed as soon as possible.	

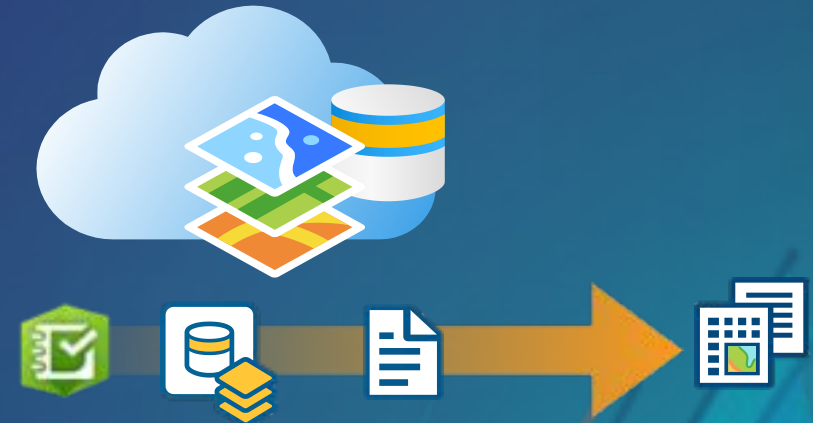
**You should immediately take additional steps to enhance water conservation efforts and ensure that the conservation requirement is met in future months**

Confirmation of Notice

*Babe R.*

# Generate Reports

- Think of it like *Mail-Merge* for ArcGIS
- Design Report Template in Microsoft Word
- Upload to Survey123
- Generate ad-hoc reports and in bulk



# Generate Reports

- Accessible through the Data tab's 'Report (Beta)' option

The screenshot displays the 'Redlands Tree Inspection' software interface. The top navigation bar includes 'Overview', 'Design', 'Collaborate', 'Analyze', 'Data', and 'Settings'. The 'Data' tab is active, showing a map view of a residential area with trees. A red box highlights the 'Report (Beta)' button in the top navigation bar. Below the map is a table titled 'Tree View (Features: 12876, Selected: 1)'. The table has columns: OBJECTID, LOCATION, DISTRICT, ADDRESS, STREET, SIDE, TREE, TRN\_ADDRESS, and PCTSTATUS. The table contains five rows of data. A red box highlights the 'Report' dialog box on the right side of the screen. The dialog box has a title bar 'Report' and a close button. It contains the following options:

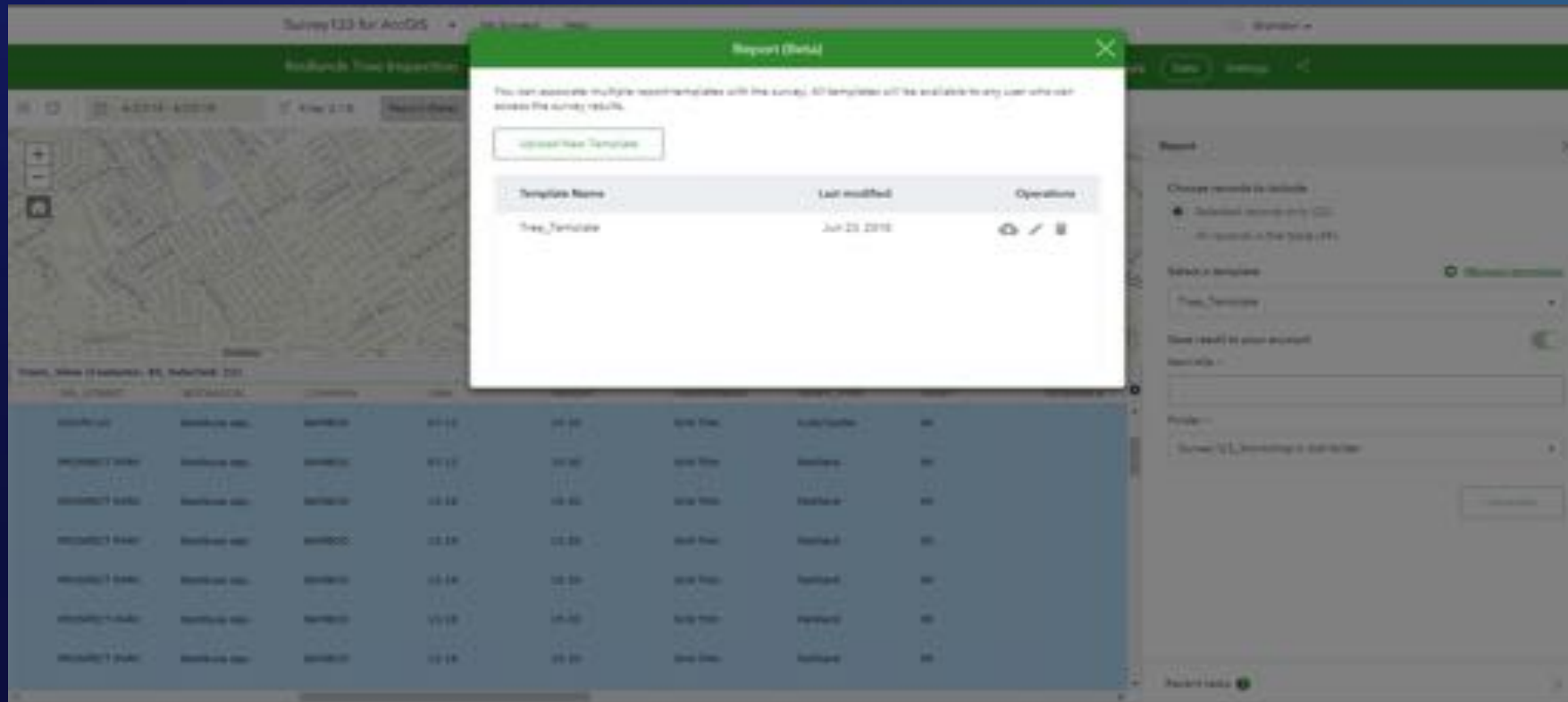
- Choose records to include:** ☒ Selected records only (1) ☐ All records in the table (12876)
- Select a template:** ☒ Master template ☐ Free template
- Save results to your account:** ☒
- Report title:**
- Folder:**
- Generate** button
- Recent tasks** section with a plus icon and a right arrow

OBJECTID	LOCATION	DISTRICT	ADDRESS	STREET	SIDE	TREE	TRN_ADDRESS	PCTSTATUS
124,687		1	1,822	DOVER ST	Side	1	178	6
124,688		1	1,822	DOVER CT	Side	1	602	6
124,689		1	1,822	DOVER CT	Side	1	603	6
124,700		1	1,822	DOVER CT	Side	1	604	6
124,701		1	1,822	DOVER ST	Side	1	605	6



# Creating a Template

- A report template is a Microsoft Word (.docx) file that provides placeholder text with specific syntax.
- Managed through Survey123 website; stored as items in your ArcGIS Content
- Download a sample template (like a basic pop-up) to get started



# Template Syntax

- <http://doc.arcgis.com/en/survey123/browser/analyze-results/printindividualresponses.htm>

- Field names are variables: `${field}`
- Dates have a format string
- Photos: set size:width:height (height is optional, set to 0 for auto height) 96 = 1"
- Point: Default is a map; use `getValue:"x"` and `getValue:"y"` to get coordinates
- Select: Show possible values for `select_multiple` with  
`${@select_multiple|appearance:"bullets"}`
- Select: Show text based on selected values with  
`${select_one|selected:"yes"} Yes`
- Repeats:  
`{#repeatname} Repeated Stuff ${/repeatname}`

The screenshot shows a Survey123 form titled "Gravyard Data". The form contains several fields with their template syntax visible:

- ID #:** `$(ID)`
- \$(Creator), \$(CreationDate)** (Header information)
- \$(Type)** (Header information)
- \$(Name):** `$(Name) | $(Name) | (see $(MaidenName))`
- \$(BirthDate):** `$(BirthDate | format 'MM/DD/YYYY') - $(DeathDate | format 'MM/DD/YYYY')`
- \$(Phone):** `$(Phone | size:100:0)`
- \$(TypeA1)**
- \$(TypeA2)**
- Notes**
- \$(Notes)**



# Demo

- Sample template
- Word template syntax



# Batch Printing

- Generate Reports from a selection of up to 30 records at once!
- View Report Generation progress in the Report tasks pane

The screenshot displays the Survey123 for ArcGIS web application interface. At the top, the title bar shows 'Survey123 for ArcGIS' and 'My Surveys'. Below this, a green navigation bar contains tabs for 'Overview', 'Design', 'Collaborate', 'Analyze', 'Data', and 'Settings'. The 'Data' tab is currently selected.

The main area is divided into two sections. The top section shows a map of a residential area with several red location markers. The bottom section displays a table of survey data. The table has columns for 'ID', 'NAME', 'ADDRESS', 'CITY', 'STATE', 'ZIP', 'PHONE', 'EMAIL', and 'STATUS'. The data is filtered to show 20 records, with 10 records displayed on the screen.

On the right side, a 'Report' pane is open, showing the progress of report generation. It indicates that the report is 'Generating...' and shows the start time as 'Started: Jun 23, 2016 10:41:44 AM'.

ID	NAME	ADDRESS	CITY	STATE	ZIP	PHONE	EMAIL	STATUS
000001	John Doe	123 Main St	San Jose	CA	95131	408-555-1234	john.doe@example.com	OK
000002	Jane Smith	456 Oak Ave	San Jose	CA	95131	408-555-5678	jane.smith@example.com	OK
000003	Bob Johnson	789 Pine St	San Jose	CA	95131	408-555-9012	bob.johnson@example.com	OK
000004	Alice Brown	101 Elm St	San Jose	CA	95131	408-555-3456	alice.brown@example.com	OK
000005	Charlie Davis	202 Maple St	San Jose	CA	95131	408-555-7890	charlie.davis@example.com	OK
000006	Diana Prince	303 Cedar St	San Jose	CA	95131	408-555-2345	diana.prince@example.com	OK
000007	Frank Miller	404 Birch St	San Jose	CA	95131	408-555-6789	frank.miller@example.com	OK
000008	Grace Wilson	505 Spruce St	San Jose	CA	95131	408-555-0123	grace.wilson@example.com	OK
000009	Henry Taylor	606 Willow St	San Jose	CA	95131	408-555-4567	henry.taylor@example.com	OK
000010	Ivy Anderson	707 Ash St	San Jose	CA	95131	408-555-8901	ivy.anderson@example.com	OK





# Demo

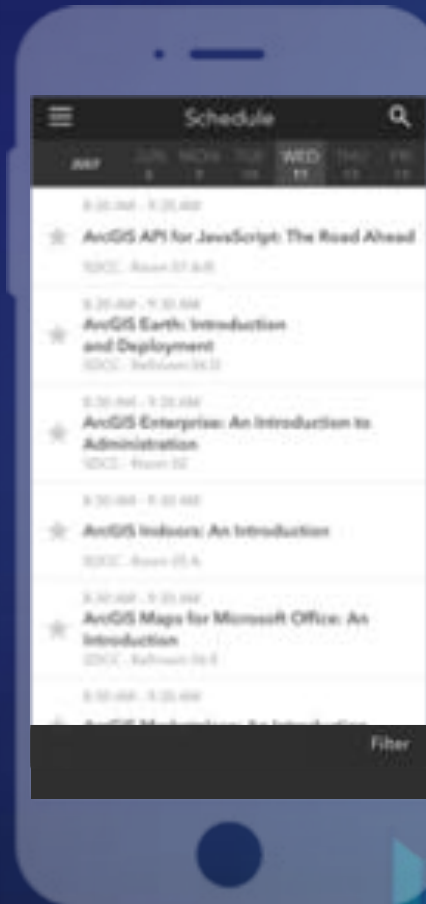
- Batch print
- ArcGIS online item

# Please Take Our Survey on the App

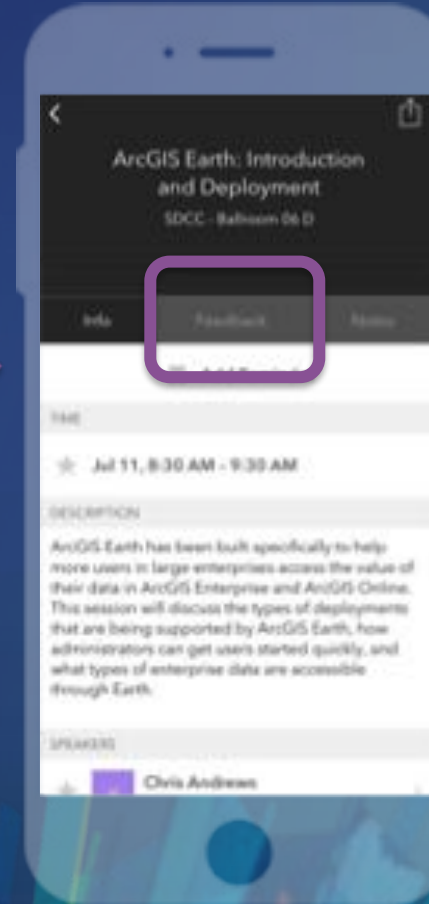
Download the Esri Events app and find your event



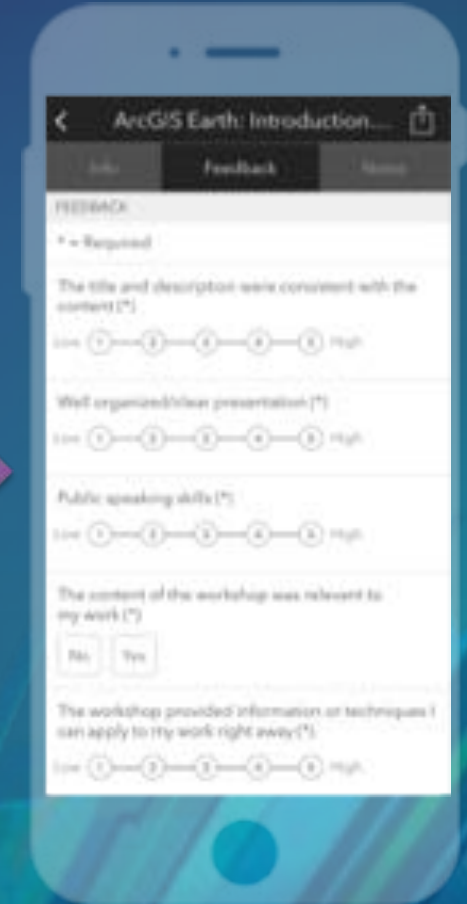
Select the session  
you attended



Scroll down to find the feedback section



Complete answers  
and select "Submit"





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