

Android Event Code Samples

The following events are available to use.

Metadata Event

Example

```
Personalization personalization = new Personalization(user, account);

Metadata data = new Metadata();
data.setMetadadata(new Language("INR"));

// Passing raw data while reporting
new Thread(new Runnable()
{
    @Override
    public void run()
    {
        personalization.report(EventTypes.ContextMetadadata, data);
    }
}).start();
```

ScreenSize Event

Example

```
Personalization personalization = new Personalization(user, account);
ScreenSize screenSize = new ScreenSize();
screenSize.setHeight(1211);
screenSize.setWidth(2323);

// Passing raw data while reporting
new Thread(new Runnable()
{
    @Override
    public void run()
    {
        personalization.report(EventTypes.ContextScreenSize, screenSize);
    }
}).start();
```

UserAgent Event

Imports UserAgent data from the device. This data represents information about the device of the user.

Example

```
Personalization personalization = new Personalization(user, account);

personalization.report(EventTypes.ContextUserAgent, new UserAgent("test_agent"));

Personalization personalization = new Personalization(user, account);

public DeviceDetails getData()
{
    DeviceDetails deviceDetails = new DeviceDetails();
    deviceDetails.setDevice(Build.DEVICE);
    deviceDetails.setModel(Build.MODEL);
    deviceDetails.setProductName(Build.BRAND);
    deviceDetails.setOsVersion(System.getProperty("os.version"));
    deviceDetails.setOsApiLevel(Build.VERSION.RELEASE + "(" + Build.VERSION.SDK_INT + ")");
    return deviceDetails;
}

DeviceDetails details = getData();

String data = personalization.refactorDeviceDetails(details);

// Passing raw data while reporting
new Thread(new Runnable()
{
    @Override
    public void run()
    {
        personalization.report(EventTypes.ContextUserAgent, new UserAgent(data));
    }
}).start();
```

ProductView Event

Example

```

Personalization personalization = new Personalization(user, account);

ProductView productView = new ProductView();
productView.setProducts(new String[]
{
    "product1",
    "product2"
});

//passing raw data while reporting event
new Thread(new Runnable()
{
    @Override
    public void run()
    {
        personalization.report(EventTypes.ContextProductView, productView);
    }
}).start();

```

Coordinates Event

Reports the coordinates of the customer.

Example

```

Personalization personalization = new Personalization(user, account);
Coordinates coordinates = new Coordinates();
coordinates.setLatitude("1212");
coordinates.setLongitude("2323");

// Passing raw data while reporting
new Thread(new Runnable()
{
    @Override
    public void run()
    {
        personalization.report(EventTypes.ContextCoordinates, coordinates);
    }
}).start();

```

Referrer Event

Reports the referrer.

Example

```
Personalization personalization = new Personalization(user, account);

Referrer referrer = new Referrer();
referrer.setReferrer("test.com");

// Passing raw data while reporting
new Thread(new Runnable()
{
    @Override
    public void run()
    {
        personalization.report(EventTypes.ContextReferrer, referrer);
    }
}).start();
```

CustomVariable Event

Example

```
Personalization personalization = new Personalization(user, account);
CustomVariable customVariable = new CustomVariable();
customVariable.setValue("key");
customVariable.setVariable("value");

CustomVariables customVariables = new CustomVariables();
customVariables.setCustomVariables(new CustomVariable[]
{
    customVariable
});

// Passing raw data while reporting
new Thread(new Runnable()
{
    @Override
    public void run()
    {
        personalization.report(EventTypes.ContextCustomVariables, customVariables);
    }
}).start();
```

PageEvents Event

Reports any events on the page.

Example

```
Personalization personalization = new Personalization(user, account);

PageEvents pageEvents = new PageEvents();
pageEvents.setPageEvents(new String[]
{
    "pageEvent_1",
    "pageEvent_2"
});

// Passing Raw data while reporting
new Thread(new Runnable()
{
    @Override
    public void run()
    {
        personalization.report(EventTypes.RecordPageEvents, pageEvents);
    }
}).start();
```

PageView Event

Reports when a customer views a specified page.

Example

```
Personalization personalization = new Personalization(user, account);

PageView pageView = new PageView();
pageView.setBreadcrumbs(new String[]
{
    "breadcrumbs_1",
    "breadcrumbs_2",
    "breadcrumbs_3"
});
pageView.setCategories(new String[]
{
    "category_1",
    "category_2"
});
pageView.setPageType("home_page");
pageView.setUrl("NA");

// Passing raw data while reporting
new Thread(new Runnable()
{
    @Override
    public void run()
    {
        personalization.report(EventTypes.ContextPageView, pageView);
    }
}).start();
```

ProductThumbnail Event

Reports when a customer views a product thumbnail.

Example

```
Personalization personalization = new Personalization(user, account);

ProductThumbnailView productThumbnailView = new ProductThumbnailView();
productThumbnailView.setProducts(new String[]
{
    "product1",
    "product2",
    "product3"
});

// Passing raw data while reporting
new Thread(new Runnable()
{
    @Override
    public void run()
    {
        personalization.report(EventTypes.ContextProductThumbnailView, productThumbnailView);
    }
}).start();
```

ProductDetailView Event

Reports when a customer views a product detail page.

Example

```

Personalization personalization = new Personalization(user, account);
Product product_111 = new Product();
product_111.setProductId("PID_111");
product_111.setSku("SKU_111");

Product product_222 = new Product();
product_222.setProductId("PID_222");
product_222.setSku("SKU_222");

ProductDetailView detailView = new ProductDetailView();
detailView.setProducts(new Product[]
{
    product_111,
    product_222
});

// Passing raw data while reporting
new Thread(new Runnable()
{
    @Override
    public void run()
    {
        personalization.report(EventTypes.ContextProductDetailView, detailView);
    }
}).start();

```

RecClicks Event

Reports recommendations click events.

Example


```
Personalization personalization = new Personalization(user, account);

RecClicks recClicks = new RecClicks();
recClicks.setRecClicks(new String[]
{
    "test_recclick_1",
    "test_recclick_2"
});

// Passing raw data while reporting
new Thread(new Runnable()
{
    @Override
    public void run()
    {
        personalization.report(EventTypes.RecordRecClicks, recClicks);
    }
}).start();
```

RecImpressions Event

Reports recommendations impression events.

Example

```
Personalization personalization = new Personalization(user, account);

ReclImpressions recimpressions = new ReclImpressions();
recimpressions.setReclImpressions(new String[]
{
    "test_rec_imp_1",
    "test_rec_imp_2"
});

// Passing raw data while reporting
new Thread(new Runnable()
{
    @Override
    public void run()
    {
        personalization.report(EventTypes.RecordReclImpressions, recimpressions);
    }
}).start();
```

Impressions Event

Reports impression events.

Example

```
Personalization personalization = new Personalization(user, account);
Impressions impressions = new Impressions();
impressions.setimpressionIds(new String[]
{
    "testimpressionId1",
    "testimpressionId2"
});

// Passing raw data while reporting
new Thread(new Runnable()
{
    @Override
    public void run()
    {
        personalization.report(EventTypes.RecordImpressions, impressions);
    }
}).start();
```

Cart Event

Reports when a customer adds a product to their cart. Import and use the `CartLinesData` interface for this event. `CartLine` is the data structure used by this interface.

Example

```

Personalization personalization = new Personalization(user, account);

CartLine cartLine = new CartLine();
cartLine.setCurrency("INR");
cartLine.setPid("PID");
cartLine.setQuantity(2);
cartLine.setSku("SKU");
cartLine.setUnitPrice("000");
cartLine.setValue("11");

CartLine cartLine2 = new CartLine();
cartLine2.setCurrency("USA");
cartLine2.setPid("PID");
cartLine2.setQuantity(2);
cartLine2.setSku("SKU");
cartLine2.setUnitPrice("9999");
cartLine2.setValue("111");

Cart cart = new Cart();
cart.setCartLines(new CartLine[]
{
    cartLine,
    cartLine2
});

// Passing raw data while reporting
new Thread(new Runnable()
{
    @Override
    public void run()
    {
        personalization.report(EventTypes.ContextCart, cart);
    }
}).start();

```

AddToCart Event

Example

```

Personalization personalization = new Personalization(user, account);

CartLine cartLine = new CartLine();
cartLine.setCurrency("INR");
cartLine.setPid("PID");
cartLine.setQuantity(2);
cartLine.setSku("SKU");
cartLine.setValue("11");

CartLine cartLine2 = new CartLine();
cartLine2.setCurrency("USA");
cartLine2.setPid("PID");
cartLine2.setQuantity(2);
cartLine2.setSku("SKU");
cartLine2.setValue("111");

AddToCart addToCart = new AddToCart();
addToCart.setCartLines(new CartLine[]
{
    cartLine,
    cartLine2
});

new Thread(new Runnable()
{
    @Override
    public void run()
    {
        personalization.report(EventTypes.ContextAddToCart, addToCart);
    }
}).start();

```

IpAddress Event

Example

```
Personalization personalization = new Personalization(user, account);

IpAddress address = new IpAddress();
address.setIpAddress("127.0.0.0.");

//passing raw data while reporting
new Thread(new Runnable()
{
    @Override
    public void run()
    {
        personalization.report(EventTypes.ContextIpAddress, address);
    }
}).start();
```

ClosedSession Event

Example

```
Personalization personalization = new Personalization(user, account);

ClosedSession closedSession = new ClosedSession();
closedSession.setClosedSession(new
com.monetate.personalization.androidsdk.model.objects.ClosedSession("test_id"));
closedSession.setVersion("test_version");

// Passing raw data while reporting
new Thread(new Runnable()
{
    @Override
    public void run()
    {
        personalization.report(EventTypes.ContextClosedSession, closedSession);
    }
}).start();
```

Purchase Event

```
Personalization personalization = new Personalization(user, account);
PurchaseLine line = new PurchaseLine();
line.setCurrency("INR");
line.setPid("PID");
line.setQuantity(2);
line.setSku("SKU");
line.setValue("12.00");

Purchase purchase = new Purchase();
purchase.setPurchaseLines(new PurchaseLine[]
{
    line
});
purchase.setAccount("tes_account");
purchase.setDomain("test_domain");
purchase.setInstance("test_instance");
purchase.setPurchaseId("test_purchase_id");

//passing raw data while reporting
new Thread(new Runnable()
{
    @Override
    public void run()
    {
        personalization.report(EventTypes.ContextPurchase, purchase);
    }
}).start();
```