
BudgetBlitz: Documentation

Release 2.7

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CHAPTER 1

Notations

Menu: *Actions → Profiles*

Button: SMS and Push tunes

Spinner: Report settings ▼

Directory, report, and chart: SMS import tunes

Directory item: Personal

Section: View

Property of directory item: *Name*

Value that manually edited: One account summary

Variable: `biz.interblitz.intent.CONVERT_TEXT_TO_NEW_TRANSACTION`

CHAPTER 2

Preface

It would be nice to draw your attention to the common issue of a Budget Blitz for Android user. It is the high entry level. That means a user should have some time for studying the application. Therefore please schedule a time and it will not be lost for nothing. Most users say they do not regret about time spent.

2.1 Introduction

User manual will help you to get started with the app Budget Blitz for Android. The guide is not exhaustive but it is constantly supplemented and developed along with the application. Comments and suggestions are welcome, see. *Feedback* (page 3).

2.2 Additional Sources

Questions and answers in English: <http://qa.bbmoney.biz/en/>

Questions and answers in Russian: <http://qa.bbmoney.biz/ru/>

4PDA discussion: <http://4pda.ru/forum/index.php?showtopic=658215>

Previous user manual: http://interblitz.biz/projects/blitz-0035/wiki/User_manual

2.3 User Manual Editions

HTML: <http://bbmoney.biz/en/manual/index.html>

PDF: <http://bbmoney.biz/en/assets/budgetblitz-user-manual.pdf>

2.4 Feedback

Author: Basin Michael

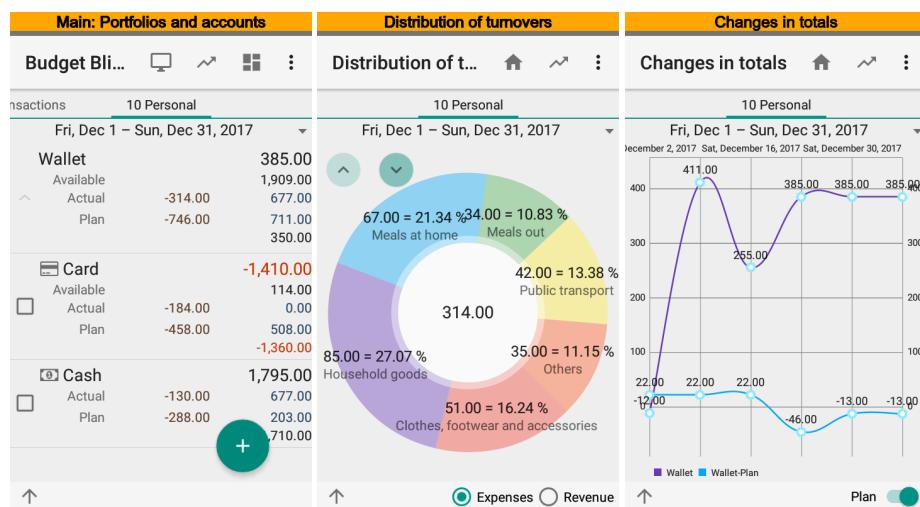
Contacts: basin.michael@gmail.com

CHAPTER 3

About

Budget Blitz for Android is used for accounting and planning:

- personal finances;
- very small business finances;
- small business finances.



3.1 Key Features

Combining the accounting of personal finances and finances of a company.

Comprehensive accounting of finances, i.e. categories, payers and payees, persons, projects are supported.

Automatic recognition of SMS and push notifications coming from financial institutions. Amounts, commissions, categories, projects, persons, payers and payees detection, automatic balance adjustment, 160+ banks of different countries supported, see. *Ready to use Financial Institutes* (page 81).

Financial highlights on the main screen.

Smart default values for new transactions.

App widget acting as a customizable brief report.

Distributed teamwork with customizable access rights.

PC web browser driven client.

API for receiving transactions from other applications.

Various financial reports.

Reports driven notifications.

3.2 Interesting Solutions Implemented

Banks SMS and push notifications detection subsystem:

- Automatic category, payer and payee, person, project recognition;
- Convenient key phrases selection immediately from SMS and push notifications;
- Automatic calculation of rates for foreign transactions;
- Automatic detection of transfers between accounts;
- Option to create custom SMS and push notifications import tune in order to support new banks.

Reports subsystem:

- Simplified OLAP technology is used for reports;
- Drilldown feature supported;
- App widgets are used for brief reports;
- Shortcuts with predefined settings for reports.
- Reports driven notifications, access to the prepared report from notification.

Teamwork subsystem:

- Data exchange is used, no registration, no common database, each team member has own database.
- Flexible system of rights and data areas for exchange. You can synchronize transactions between team members for only one account, a project, and so on.
- Unlimited number of team members.

PC access subsystem:

- Windows, Linux, Mac, etc are supported by PC client. All you need is modern browser. Internet Explorer 8+, Google Chrome, Apple Safari, Mozilla Firefox, Opera supported.

CHAPTER 4

How It Works

4.1 Funds Accounting

Budget Blitz for Android uses transactions to store all movement of funds. Each transaction has four dimensions category, project, payer or payee, and person. Transactions can be actual or planned and onetime or recurring. Recurring transactions have own customizable frequency. Generally these ones are planned but it is possible to make actual recurring transactions too.

Any transaction can be split for details. These transactions are called split, see. [split](#).

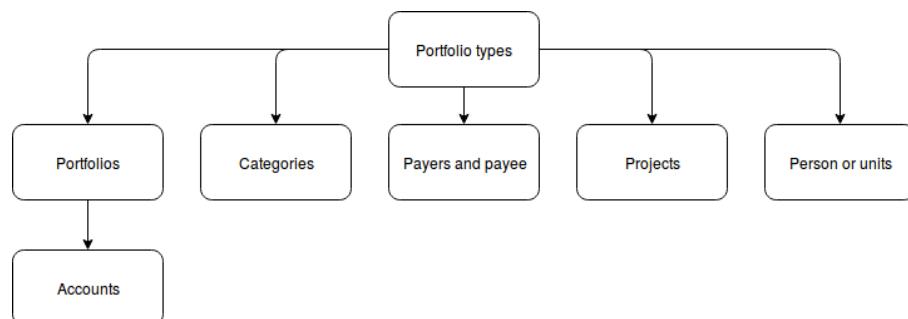
4.2 Directories Structure

Each transaction has own account. It can be account of a financial institution, or e-money account, or cash, or something else. Each transaction has own currency that may be differ from account currency.

In its turn each account belongs to a portfolio. Each portfolio has own currency that may be differ from account currency also.

But that's not all. Portfolios have a type. It may be considered as a kind of activity. You will have only one personal type of portfolio for personal finances. But when you have a business then personal and business portfolio types will be in use. For some special cases more than two portfolio types can be used.

Category, project, payer or payee, and person connected to the portfolio type. It is not really complex as you can see on the chart below:



Note: You can edit any directory. For example, add a currency, a category or something else. There are no restrictions!

4.3 Difference Between Contractors and Persons

Contrary part of transaction is payer or payee. This is often called a contractor. Only transfer transactions have no contractor. All other transactions have. For example your child is contractor when you give him or her some money. So you should put him or her to the **(Payers and payees)** directory.

Persons are transaction details as well as categories and projects. For a example a shop is the contractor and your child is the person when you buy clothes to your child.

There is an option to connect contractor and person. To do so just define a person in a card of contractor. After that the person will be selected within the contractor. For instance, in order to combine both examples above, you should consider the child as the contractor and the person at the same time.

As the result, you will see total child expenses using a person filter and total money delivered to the child using a contractor filter.

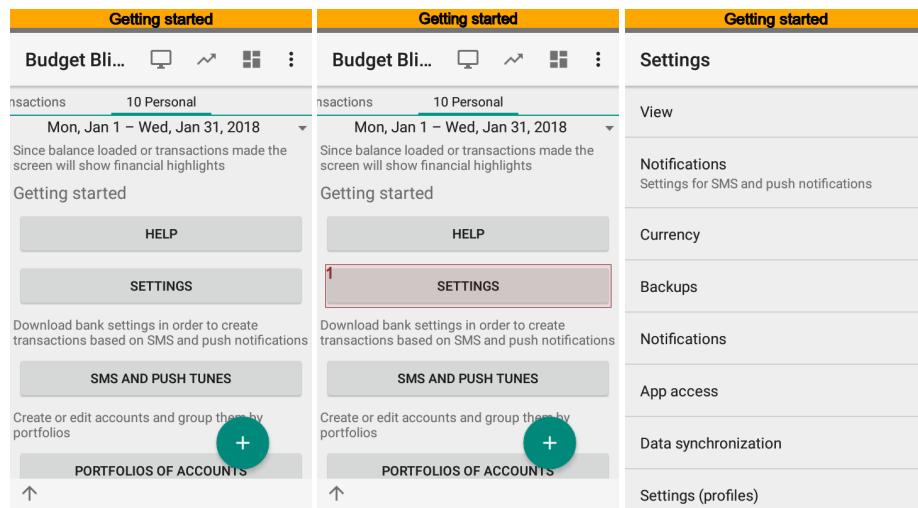
CHAPTER 5

Getting Started

In this chapter it is suggested the certain sequence of actions for setting up the application. If you don't like that, you don't have to. Just remember, any option you like, you can change later.

5.1 Basic Customization

Edit basic settings after the first start of Budget Blitz for Android.



Here you can:

- set a secret key pattern to restrict app access;
- set SMS and push notifications parser on or off;
- set synchronization between devices on or off;
- set default money amount sign for new transactions;
- set main currency and a source for foreign exchange rates;
- set up automatic backups;
- set upcoming payment notifications on or off;

- set ring tones when transactions created on SMS and push notifications coming.

While basic settings are ready you can go deeper. Next steps you can see on the main screen.

5.2 Loading Bank Settings

This section is intended for users who plan to use automatic creation of transactions on SMS or push notifications arrived from bank or payment systems or other installed apps.

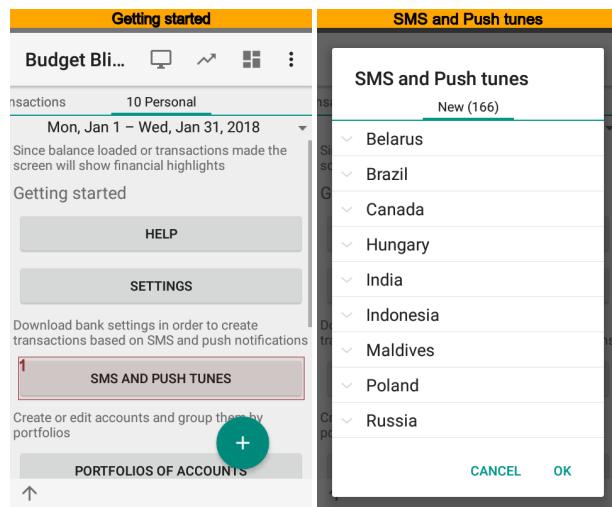
Requirements for automatic transactions creation on SMS push:

1. the option should be on, see menu *Actions* → *Profiles*;
2. the app should have access to SMS (Android 6+).

Requirements for automatic transactions creation on notification push (use menu *Actions* → *Profiles*):

1. you should select packages to import push notifications;
2. you should grant access rights to the app.

Press the button **SMS and Push tunes** to load setting for your bank or payment system. Hereafter to do that use menu *Actions* → *Import* → *SMS and Push tunes* or directory **SMS import tunes**.



5.3 Portfolio and Account Settings

Once installed the app has three portfolio types (**Personal**), (**Small business**), (**Universal**), one personal portfolio (**Wallet**), two accounts (**Card**), (**Cash**) and default list of categories.

Values to show depend on the portfolio type of the transaction. For example, one categories list is used for personal finances and another for a small business finances. But nevertheless there are some common categories. Universal type of the portfolio is used for this values. Universal values shown regardless portfolio type of the transaction.

A portfolio is like a group of accounts. On the main screen the app groups accounts by portfolios and calculates financial highlights.

Make the required amount of portfolios and accounts. See *Account Settings for Notifications Import* (page 27) to use automatic transactions creation via SMS or push notifications.

Now you can import SMS or import initial transactions from **CSV** and **OFX** or just enter initial balance. Once you have at least one transaction the main screen will show a summary and buttons will disappear.

5.4 Initial Data Import

First of all check account settings according chapter [Account Settings for Notifications Import](#) (page 27). Then press **SMS and Push notifications** in the **Import** section or select the menu **Actions → Import → SMS and Push notifications**, select an account and then import notifications. See more details in the chapter [Data Import](#) (page 35) and [questions and answers](#).

Also you can import initial transactions from **CSV** and **OFX** file. Check and edit CSV file before import according to chapter [Data Import](#) (page 35). You have no need to modify OFX file before import.

5.5 Entering Initial Balance and Credit Limit

You can enter initial account balance via transaction. The date of transaction can be arbitrary but it is highly preferred to make transaction first in the transactions list. Another important thing is to use category **Initial balance loading** for that transaction.

The screenshot shows the 'Initial balance' transaction entry screen. The transaction details are: Date: Thu, Dec 21, 2017, Value: -8.00/114.00 USD, Account: Card, Category: Public transport, Payer or payee: 00 Other. The 'Initial balance' dropdown on the right shows the category 'Public transport' selected.

As well as initial balance you can enter a credit limit via transaction too. It is preferred that the transaction date coincide with the date of setting the limit by the bank. Use **Credit limit changing** category. Please pay attention that it is a technical category with *Revenue* and *Expense* set off. You can see more details about such approach reasons at [questions and answers](#) (How to setup credit limit for new or existed account).

The screenshot shows the 'Initial balance' transaction entry screen. The transaction details are: Date: Wed, Dec 21, 2016, Value: ± 1 524, Account: Card, Category: Credit limit changing, Payer or payee: 00 Other. The 'Initial balance' dropdown on the right shows the category 'Credit limit changing' selected.

It would be better to enter each debt or credit with two transactions. For example you have a loan of 1000 USD. So you should

1. make a positive transaction with amount of 1000 USD using category (Loans) and a real contractor or person.
2. make a negative transaction with amount of 1000 USD using category (00 None) or real one if known.

As result the balance is equal zero, but (Debts and credits) report will show the value of your loan.

CHAPTER 6

Main Screen

6.1 Description

Main screen of Budget Blitz for Android contains portfolios and accounts financial highlights. The app shows as much highlights as you have portfolio types. Examples below have only one (Personal) portfolio type.

Financial highlight has totals of each account and portfolio. Available amount is shown when account has a credit limit.

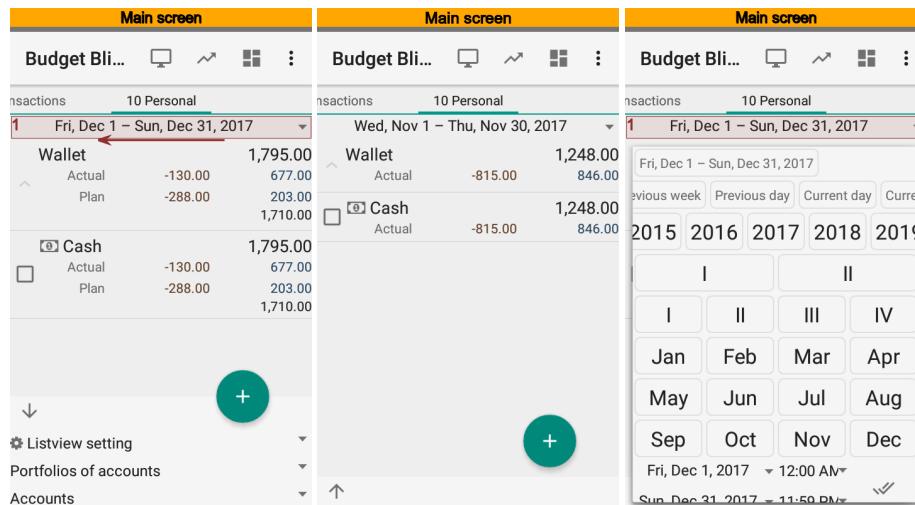
Actual and planned amounts of revenues and expenses are placed below totals. Also a transfer amount is shown if exists in the current time range.

Main screen		Main screen		Main screen	
Budget Bli...	Transactions	Budget Bli...	Transactions	Budget Bli...	Transactions
	10 Personal		10 Personal		10 Perso
	Fri, Dec 1 – Sun, Dec 31, 2017		Fri, Dec 1 – Sun, Dec 31, 2017		Fri, Dec 1 – Sun, Dec 31, 2017
Wallet	385.00	Wallet	385.00	USD	-314.00
Available	1,909.00	Available	1,909.00	1.0000	677.00
Actual	-314.00	Actual	-314.00	711.00	363.00
Plan	-746.00	Plan	-746.00	350.00	
Card	-1,410.00	Card	-1,410.00	Thu, 12/21/2017	
Available	114.00	Available	114.00	Thu, 12/21/2017, 9:20 AM	-51.00
Actual	-184.00	Actual	0.00	Clothes, footwear and accessories	1,795.00
Plan	-458.00	Plan	508.00	Thu, 12/21/2017, 9:00 AM	-8.00
	-1,360.00		-1,360.00	Public transport	114.00
Cash	1,795.00	Cash	1,795.00	Wed, 12/20/2017	
Available	677.00	Available	677.00	Wed, 12/20/2017, 6:00 PM	-3.00
Actual	-130.00	Actual	-130.00	Pocket expenses	1,846.00
Plan	-288.00	Plan	-288.00		
	710.00		710.00	Tue, 12/19/2017	-25.00
	+ +		+ +		+ +

The list of all transactions according the current time range is shown at the left of summary.

6.2 Time Range Selection

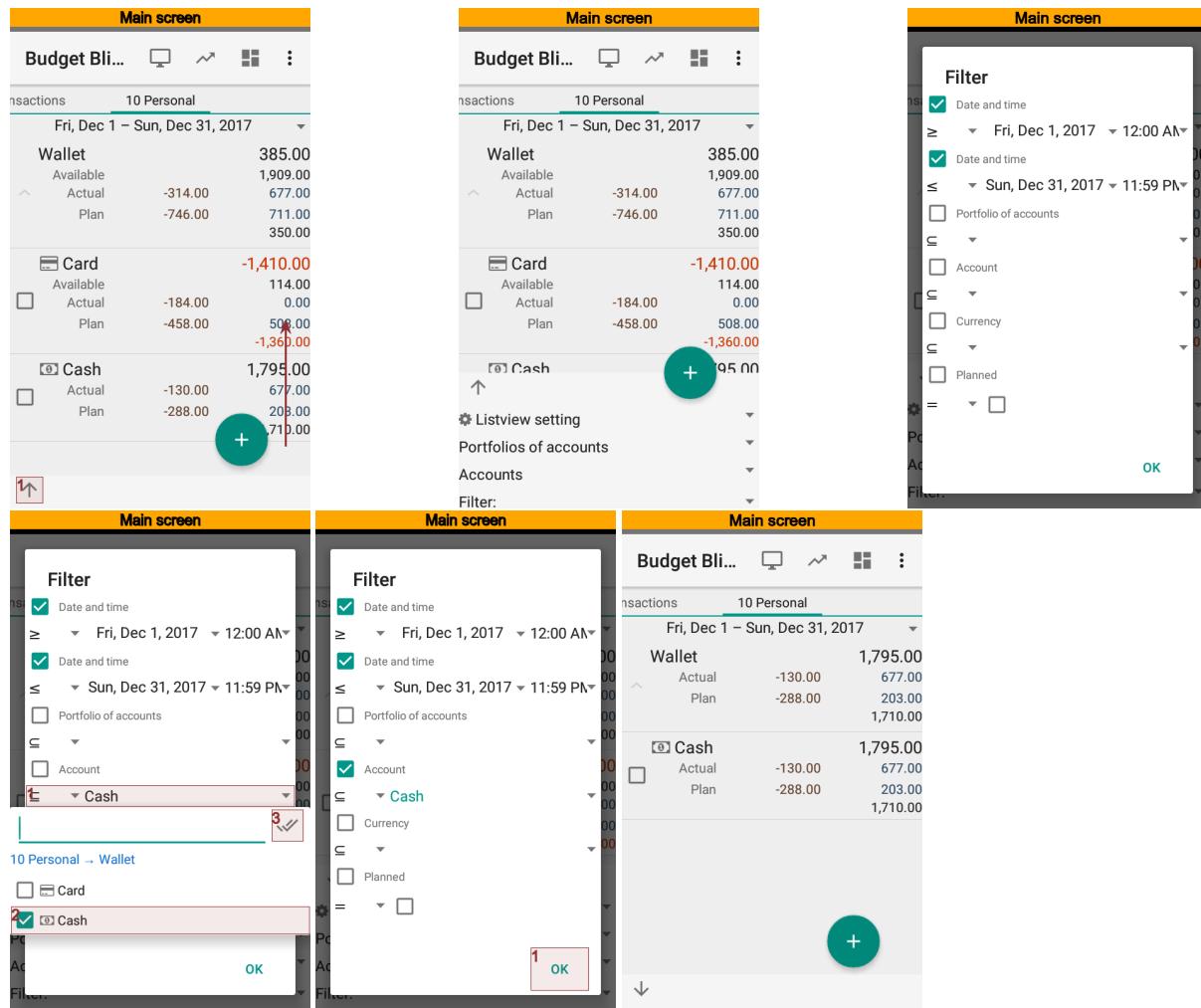
Time range editor is placed at the top of screen. Editor supports swipe and select gestures.



6.3 List View Settings

List view settings is placed at the bottom of screen. You can change default grouping, edit filter, and change time range. Using filter you can setup a portfolio, account, currency restriction, and put plan on or off.

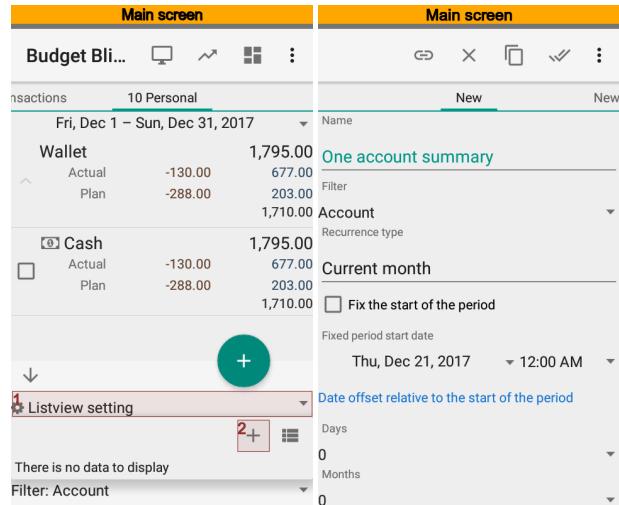
At the pictures below you can see how to set up account filter.



Now the main screen has only one **(Cash)** account.

6.4 Saving List View Settings

You can save modified list view settings in order to use them in the future. Select **Report settings ▾** and create new setting. Filters will be copied to the new setting. So, you need to put a name of the setting, for example, One account summary, and press **Save**.



It is possible to have several settings. The app will use last setting for the main screen after run.

CHAPTER 7

Directories

Directories are available from the top menu or from the *Actions* → *Directories* menu. It depends on the current screen.

The screenshot shows the GnuCash application interface. On the left, there is a transaction list titled 'Budget Bl...'. The list includes categories like 'Wallet' and 'Card', with sub-items for 'Available', 'Actual', and 'Plan' amounts. A green circle with a '+' sign is overlaid on the bottom right of the transaction list area. On the right, a sidebar titled 'Directories' is open, listing various portfolio types: Types of portfolios, Portfolios of accounts, Accounts, Categories, Projects, Payers and payees, Persons and units, Recurring transactions, Currencies, and Exchange rates sources.

7.1 Portfolio Types

Portfolio types are used to separate dimensions between your activities. For example, one set of categories is used for personal finance and another set is used for business finances. When you edit a transaction its dimensions (category, payer or payee, project, and person) correspond to the certain type of portfolio.

Types of portfolios	Portfolios of accounts	Accounts
10 Personal 20 Small I	Wallet New	Card Cash
Name 10 Personal	Name Wallet	Name Card
Icon	Icon	Icon
Type of portfolio 10 Personal	Type of portfolio 10 Personal	Type of accounts Portfolio of accounts Wallet
Currency USD, US Dollar	Currency USD, US Dollar	Currency USD, US Dollar
<input type="checkbox"/> Closed, hidden from the main page and selection lists		
Credit limit Help . 1,524.00		
Account number or card ID (e.g. VISA2900) or bank SMS sender identifier comma separated without spaces between commas (e.g. 900,SBERBANK, +79503742424,VTB24)		

It will be useful to pay attention to the **(Universal)** type of portfolio. Its name is **(00 None)** for old versions. Dimensions of this type of portfolio are always available. For example **(Transfer)** category can be selected in any transaction regardless selected account and connected portfolio type.

Note: Dimensions of the **(Universal)** type of portfolio are always available

7.2 Portfolios

Portfolio is a group of accounts. Portfolio has own currency. The Budget Blitz for Android uses a portfolio currency to show financial highlights. Use the **(Currencies)** directory to apply currency rates.

7.3 Accounts

Account is a bank account, debit or credit card, investment account, cash, or something else. Account has own currency. It may differ from a currency of portfolio.

Identity of an account is used for transactions import, see [Data Import](#) (page 35). You can put several identities. Use the comma to separate one identity from another. Usually card or account number is used for identity. Phone number, or SMS sander name, or identity of push notifications package can be considered as identity as well.

Key phrases are also used for transactions import. For transfers source account is detected by identity and target account is detected by key phrases. Key phrases are used for transfers only.

For example you have SMS from bank:

```
Visa2900 card. Cash withdraw 200.00 USD ATM 5412. Balance: 274.26 USD. 25/03/14,
↪15:00:00.
```

Visa2900 is identity of the **(Card)** account, ATM is the key phrase for the **(Cash)** account. Since SMS pushed the app Budget Blitz for Android will create two transactions, debit transaction on **(Card)** account and credit transaction on **(Cash)** account.

SMS import tune establishes the algorithm of transactions detection. See more details in the [Advanced Import SMS and Push Notifications Setting](#) (page 31).

Default values of payers and payees, projects and persons are used when you create transaction and import transactions. Also the app uses this values for teamwork on data exchange.

Accounts	Categories	Payers and payees
<p>Card Cash</p> <p>Account number or card ID (e.g. VISA2900) or bank SMS sender identifiers comma separated without spaces between commas (e.g. 900.SBERBANK, +79503742424, VTB24)</p> <p>visa9999</p> <p>Key phrases (comma separated) for transfer target account, e.g. "ATM". It is used to create additional expense or revenue transaction on transfer SMS push.</p> <p>SMS import tune</p> <p>Banco do Brasil</p> <p>Default values</p> <p>Project</p> <p>00 No project</p> <p>Financial institution (bank, etc)</p> <p>00 Other</p>	<p>Alimony Beauty</p> <p>Name</p> <p>Alimony</p> <p>Key phrases (comma separated), ensure item selection when the app creates new transaction on SMS push or data import.</p> <p>Type of portfolio</p> <p>10 Personal</p> <p><input checked="" type="checkbox"/> Revenue</p> <p><input checked="" type="checkbox"/> Expense</p> <p><input type="checkbox"/> Totaling (summary)</p> <p><input type="checkbox"/> Eliminable from portfolio (e.g., transfer)</p> <p><input type="checkbox"/> Archived</p>	<p>New New</p> <p>Name</p> <p>Key phrases (comma separated), ensure item selection when the app creates new transaction on SMS push or data import.</p> <p>Type of portfolio</p> <p>10 Personal</p> <p>Default values</p> <p>Project</p> <p>00 No project</p> <p>Default values for expenses</p> <p>Category</p>

7.4 Categories

Categories directory plays the main role for the classification of transactions. A category may have a set of options, *Revenue*, *Expense*, *Totaling (summary)*, technical, *Eliminable* and *Archived*.

Categories sorting order under transaction editing depends on *Revenue* and *Expense* options. For a revenue transaction revenue categories are placed at the beginning and then expense ones placed and vice versa.

A category may be neither revenue nor expense. In that case the category is technical. For instance technical category is used for credit limit changing. For that transaction there is no money turnovers for a card owner but nevertheless balance is changed. See more details about credit limit at [questions and answers \(How to setup credit limit for new or existed account?\)](#).

Since a category has *Totaling (summary)* option you can use [Debts and credits](#) and [Plan implementation](#) reports to get there balance.

Sometimes you need to eliminate transactions from revenues and expenses. Usually it is transfer transactions. Use categories with *Eliminable* option for them. The app has standalone totals at the main screen and transactions list for transfers and other transaction with categories with *Eliminable* option.

The app uses key phrases to find an item when importing transactions. You can set several comma separated key phrases.

It is possible to define several categories for a transaction.

Once the app installed the directory of categories has default items. It's up to you edit, add, or delete them.

7.5 Payers and Payees

Contrary part of transaction is payer or payee. This is often called a contractor. Only transfer transactions have no contractor. But all other transactions have. Transaction have only one contractor.

7.6 Projects

You can use projects to account vacations, startups, housing projects and so on. Transaction may have several projects.

The app uses key phrases to find an item when importing transactions. You can set several comma separated key phrases.

7.7 Persons

You can use persons to account family members, company staffers and so on. Transaction may have several projects.

The app uses key phrases to find an item when importing transactions. You can set several comma separated key phrases.

Projects	Persons and units	Currencies
<p>X <input type="button" value="New"/> <input type="button" value="Edit"/> <input type="button" value="Delete"/> <input type="button" value="Check"/> <input type="button" value="More"/></p> <p>Name</p> <p>Key phrases (comma separated), ensure item selection when the app creates new transaction on SMS push or data import.</p> <p>Type of portfolio</p> <p>10 Personal</p> <p><input type="checkbox"/> Archived</p>	<p>X <input type="button" value="New"/> <input type="button" value="Edit"/> <input type="button" value="Delete"/> <input type="button" value="Check"/> <input type="button" value="More"/></p> <p>Name</p> <p>Key phrases (comma separated), ensure item selection when the app creates new transaction on SMS push or data import.</p> <p>Type of portfolio</p> <p>10 Personal</p> <p><input type="checkbox"/> Archived</p>	<p>X <input type="button" value="New"/> <input type="button" value="Edit"/> <input type="button" value="Delete"/> <input type="button" value="Check"/> <input type="button" value="More"/></p> <p>USD AED</p> <p>Code</p> <p>USD</p> <p>Key phrases (separated by spaces), ensure item selection when the app creates new transaction on SMS push or data import.</p> <p>USD</p> <p>Rate ± 1</p> <p>Presentation (sign) \$</p> <p>Name</p> <p>US Dollar</p> <p>Fraction digits 2</p>

7.8 Currencies

Once the app installed it contains almost all world currencies. Of course you can add a new one.

Currency rates are used for calculate financial highlights. You can set rates manually or load from internet resources. Available sources are European Central Bank, Russian Central Bank (currencies and metals), Bank of Canada, National Bank of the Republic of Belarus, National Bank of the Republic of Kazakhstan, Bank of Israel, BitPay (BTC rates), Poloniex (cryptocurrencies trading market).

Let author know if you need more, see [Feedback](#) (page 3).

CHAPTER 8

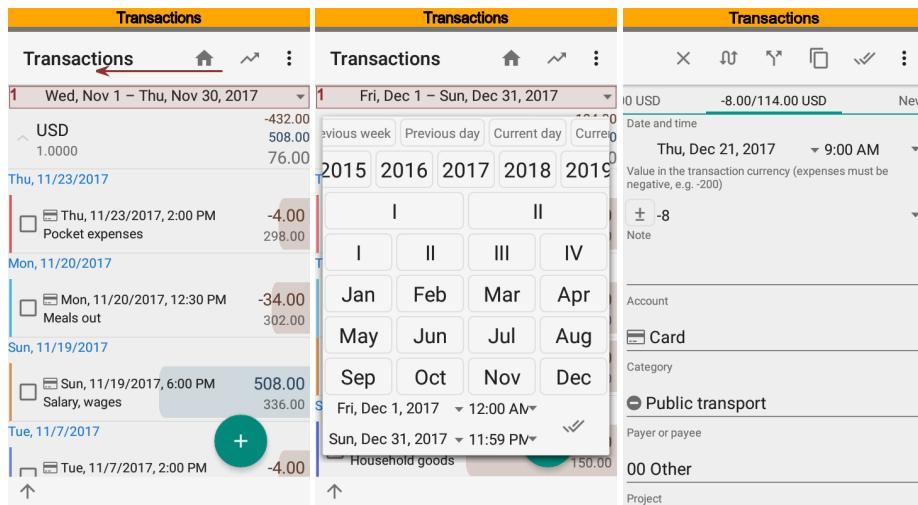
Transactions

8.1 Introduction

Transactions are used to account any changes in funds. So use a transaction when you need to enter an initial balance, change a credit limit, store crediting or debiting funds, store cash withdrawal at ATM, or something else. This approach is most versatile. The history of all movements will be stored due to that approach and you will be able to recall any transaction you need.

Transactions	Transactions	Transactions
<p>Transactions Home Up Down More</p> <p>Fri, Dec 1 – Sun, Dec 31, 2017</p> <p>USD 1.0000 -184.00 0.00 1.0000</p> <p>Thu, 12/21/2017</p> <p><input type="checkbox"/> Thu, 12/21/2017, 9:00 AM Public transport -8.00 114.00</p> <p>Tue, 12/19/2017</p> <p><input type="checkbox"/> Tue, 12/19/2017, 5:00 PM Meals at home -25.00 122.00</p> <p><input type="checkbox"/> Tue, 12/19/2017, 9:15 AM Pocket expenses -3.00 147.00</p> <p>Sat, 12/16/2017</p> <p><input type="checkbox"/> Sat, 12/16/2017, 11:00 AM Household goods +35.00 150.00</p>	<p>Transactions Home Up Down More</p> <p>Fri, Dec 1 – Sun, Dec 31, 2017</p> <p>USD 1.0000 -184.00 0.00 1.0000</p> <p>Thu, 12/21/2017</p> <p><input type="checkbox"/> Thu, 12/21/2017, 9:00 AM Public transport -8.00 114.00</p> <p>Tue, 12/19/2017</p> <p><input type="checkbox"/> Tue, 12/19/2017, 5:00 PM Meals at home -25.00 122.00</p> <p><input type="checkbox"/> Tue, 12/19/2017, 9:15 AM Pocket expenses -3.00 147.00</p> <p>Sat, 12/16/2017</p> <p><input type="checkbox"/> Sat, 12/16/2017, 11:00 AM Household goods +35.00 150.00</p>	<p>Transactions Home Up Down More</p> <p>Fri, Dec 1 – Sun, Dec 31, 2017</p> <p>USD 1.0000 -184.00 0.00 1.0000</p> <p>Thu, 12/21/2017</p> <p><input type="checkbox"/> Thu, 12/21/2017, 9:00 AM Public transport -8.00 114.00</p> <p>Tue, 12/19/2017</p> <p><input type="checkbox"/> Tue, 12/19/2017, 5:00 PM Meals at home -25.00 122.00</p> <p><input type="checkbox"/> Tue, 12/19/2017, 9:15 AM Pocket expenses -3.00 147.00</p> <p>Sat, 12/16/2017</p> <p><input type="checkbox"/> Sat, 12/16/2017, 11:00 AM Household goods +35.00 150.00</p>
<p>+</p>	<p>+</p>	<p>+</p>
<p>↑</p>	<p>↑</p>	<p>↑</p>
		<p>Listview setting</p> <p>Filter: Account; Planned; Portfolio of accounts; Currency; Type of portfolio</p>

You can use filters and fast time range selection at the transactions list.



Transaction has to be one of revenue or expense. There is no special option just put positive or negative amount. For transfer use categories with *Eliminable* option. Since installed the app contains **(Transfer)** category you may apply to.

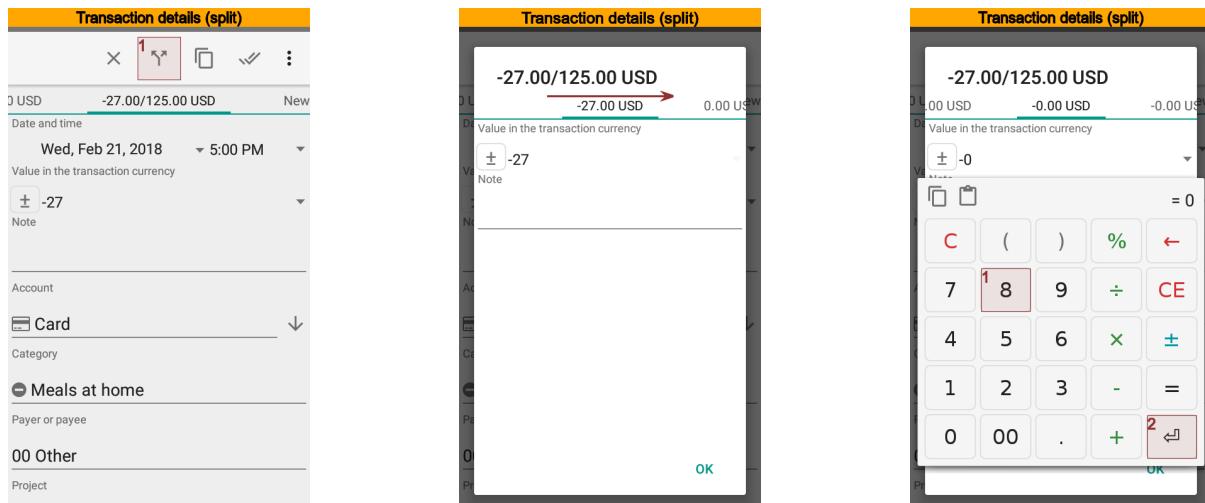
For a foreign transaction you should put a currency and it's rate. This rate can be different from a rate stored in the **(Currencies)** directory. The app by itself calculates currency and rate for transactions imported from SMS and push notifications.

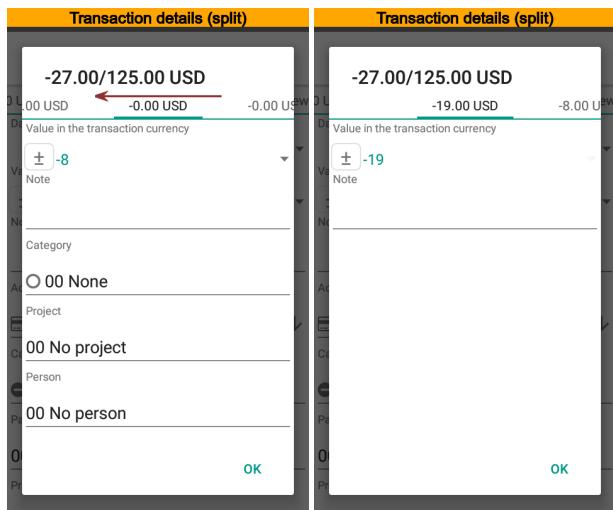
Use transaction dimensions, categories, payers, payees, projects, and persons to get a comprehensive funds accounting.

8.2 Splits

You can divide transaction for details. It is often called as make a *split*. When you have a check in a supermarket it is convenient to make a split to store food costs, household goods costs, and so on. Of course it is far from the only case.

The app always calculates first part of a split by itself. Just put amounts of others. Put zero amount to remove redundant part.





8.3 Planned Transactions

Transactions are one of actual or planned. The option *Planned* is used for a planned transaction. The app takes into account planned transaction until they have expired. A date and time of a transaction is a key for expiration. You can plan any funds movement, expenses, revenues, debts, credits, and so on. Reports will help you to compare actuals and plans.



8.4 Manual Transfers

The app stores transfer within two transactions. There is a fast and convenient way to make a transfer from a transaction card.

1. Make a new transaction and put an amount.
2. Select the **Transfer** button near the source account.
3. Select target account and the app will make the rest.
4. Edit other options if you want to.
5. Save the target transaction.
6. You will see transfers amount at the main screen.

The screenshots illustrate the process of creating a transfer transaction in BudgetBlitz:

- Screenshot 1: BudgetBlitz Main View (Top Left)**
Shows the main 'Transactions' view for '10 Personal' category from 'Thu, Feb 1 – Wed, Feb 28, 2018'. It lists Wallet, Card, and Cash accounts with their available, actual, and plan values. A green circle highlights the '+' button at the bottom right.
- Screenshot 2: Transfer Creation (Top Middle)**
Shows a new transaction dialog for a transfer from '1,797.00 USD' to 'New'. The date is set to 'Fri, Feb 23, 2018' at '1:18 PM'. The value is '-500'. The note field contains 'Note'. The account is set to 'Cash'.
- Screenshot 3: Transfer Creation (Top Right)**
Shows the continuation of the transaction creation. The note field now includes 'Value in the transaction currency' and the value is updated to '-500'. The account dropdown shows 'Cash' selected.
- Screenshot 4: Transaction Confirmation (Bottom Left)**
Shows the main view again, but the transaction has been saved. A message bubble says 'Changes are saved.' The value in the Card section is now '-977.00'. The green circle highlights the '+' button again.
- Screenshot 5: Transfer Creation (Bottom Middle)**
Shows the continuation of the transaction creation. The note field now includes 'Value in the transaction currency' and the value is updated to '-500'. The account dropdown shows 'Card' selected.
- Screenshot 6: Transaction Confirmation (Bottom Right)**
Shows the final confirmation of the transaction creation. The note field now includes 'Value in the transaction currency' and the value is updated to '-500'. The account dropdown shows 'Transfer' selected.

At this moment source and target transactions are not connected to each other. Do not forget to edit both ones in future.

8.5 Recurring Transactions

Many transactions happen with some frequency. Usually recurring transactions are planned but sometimes actual too.

You can establish a custom frequency for recurring transactions.

The image consists of three side-by-side screenshots of the BudgetBlitz application interface, illustrating the process of managing recurring transactions.

Screenshot 1: Recurring transactions list

This screenshot shows a list of recurring transactions for the "Budget Bl... 10 Personal" category. The transactions are grouped by type: Wallet, Card, and Cash. Each group shows Available, Actual, and Plan values. A green circular button with a plus sign is located at the bottom right of the list.

Type	Available	Actual	Plan
Wallet	385.00	1,909.00	711.00
Card	-1,410.00	114.00	508.00
Cash	1,795.00	677.00	203.00

Screenshot 2: Recurring transaction creation dialog

This screenshot shows the "Recurring transactions" dialog. It includes fields for Start date (Mon, Jan 28, 2013) and End date (Sun, Dec 31, 2017), a note field containing "-339", and a recurrence type dropdown set to "Every month". Below the dialog is a list of categories: Account, Card, and Category.

Screenshot 3: Recurring transaction details view

This screenshot shows a detailed view of a recurring transaction for "Meals at home". It lists four occurrences from Mon, 1/28/2013 to Sun, 1/27/2013. Each occurrence has an "Edit" icon and a "Delete" icon. A green circular button with a plus sign is located at the bottom right of the list.

Date Range	Description	Value
Thu, 5/25/2017 - 12/31/2017	Meals at home	508.00
Thu, 5/25/2017 - 12/31/2017	Meals at home	203.00
Mon, 1/28/2013 - 12/31/2017	Meals at home	-339.00
Mon, 1/28/2013 - 12/31/2017	Meals out	-169.00
Sun, 1/27/2013 - 12/31/2017	Clothes, footwear and accessories	85.00
Sun, 1/27/2013 - 12/31/2017	Clothes, footwear and accessories	85.00

CHAPTER 9

Account Settings for Notifications Import

9.1 Identity Choosing

You have to put an identity at the account card before import SMS or push notifications. This will ensure detection of an account for a transaction. Usually financial institutions put last four digits of a card number to a notification. So use them as a card identity.

For a example, for the SMS

```
VISA1234: 08.08.13 14:05 payment 500.00 USD. balance 1000.00 USD.
```

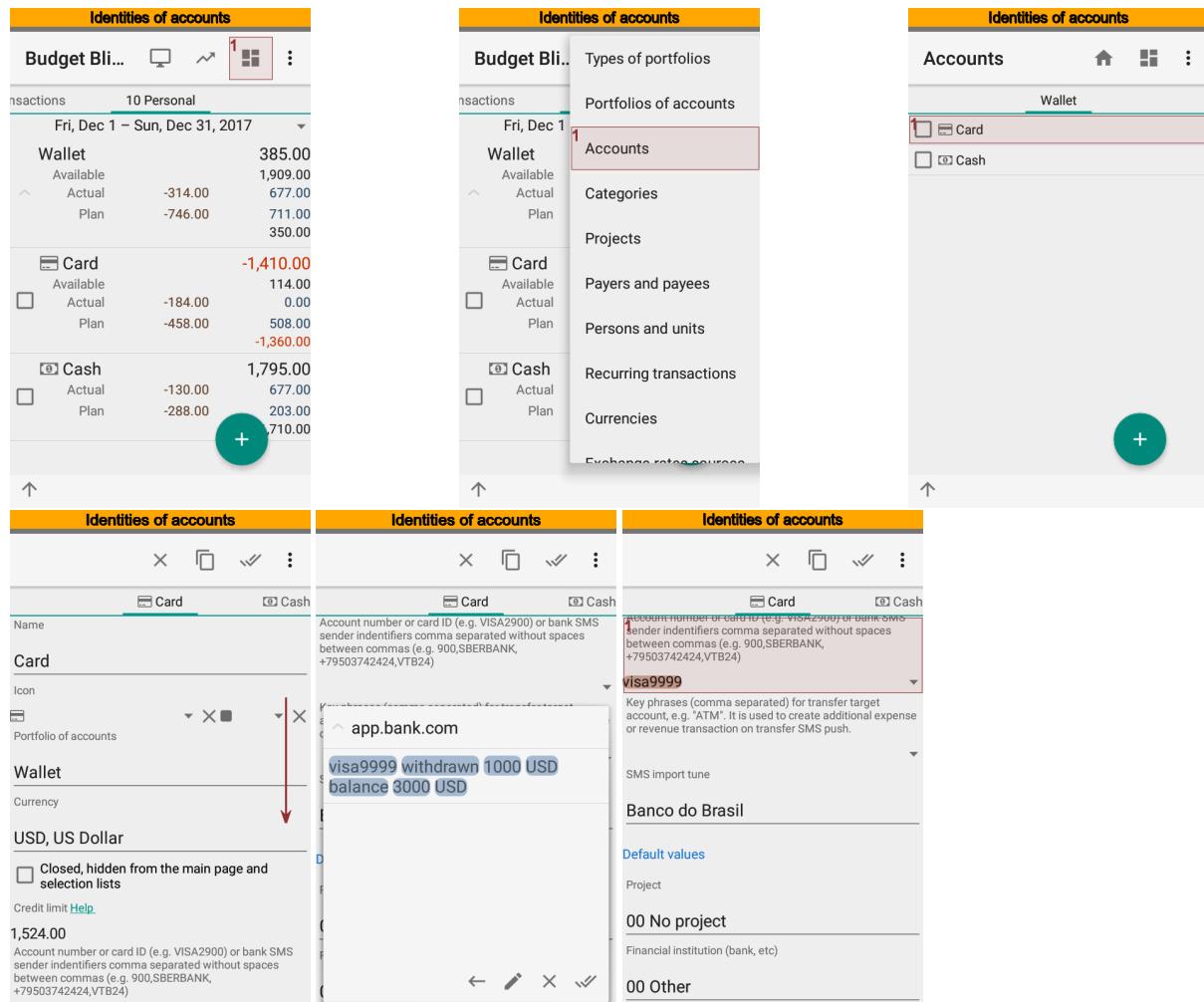
you should choose VISA1234 as a card identity. Some financial institutions do not put digits of an account or card number into notifications. For example, in the SMS

```
Transaction >> -600 USD. Atm-nyc-001
```

there is no way to find out an identity. Well, in that case you should use sender name or number. For example, short number for Sberbank is 900. For push notifications sender is a package identity. For example, ru.rocketbank.r2d2 is the package identity for RocketBank.

Open the card of an account in order to setup identity. Press and select identity from a financial institution message. Put the identity by hands if you want to use sender or package identity.

Also do not forget to select an import tune for your financial institution.



9.2 Key Phrase Choosing for Transfers

The app Budget Blitz for Android can create transfer transactions based upon financial institution messages. For example, when you have an SMS

VISA1234: 08.08.13 14:05 cash withdrawal 200.00 USD. ATM 10010001 bal 500.00 USD.

then the app is able to create expense transaction for the VISA1234 account and revenue transaction for a cash account. All you need is to set key phrases for the cash account. The app will use this key phrases to find out the one. For example, key phrases above may be one of “cash withdrawal” or “ATM”.

Note: It is also necessary to ensure the app is able to identify a transaction as transfer, see *Advanced Import SMS and Push Notifications Setting* (page 31).

Open the card of an account in order to setup key phrases. Press **Key phrases ▾** and select ones from a financial institution message. Also put key phrases by hands if you want to.

The screenshots illustrate the configuration of an account identity. In the middle screenshot, the 'Keywords' field is populated with 'resgate', while the 'Number' field is set to '00 None'. A red arrow points from the 'Keywords' field to the 'Number' field, highlighting the swap.

Usually accounts having notifications have empty *Keywords* property and cash accounts have empty *Number* property vice versa. But there are rare cases when both ones are used. See [Rocketbank](#) notifications import setting.

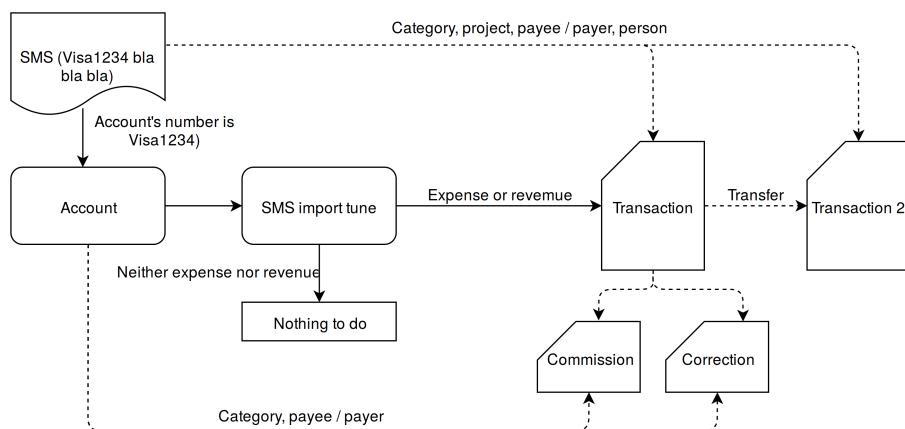
CHAPTER 10

Advanced Import SMS and Push Notifications Setting

10.1 Notifications Detection Algorithm

The import tune ensures the process of SMS and push notification detection. Exactly import tune controls type of transaction, revenue, expense or transfer, is balance required or not, and so on.

You can see the algorithm of notifications detection at the picture below.



When new notification arrived then the app tries to detect an account. It uses identities from the [Accounts](#) directory. Since single account found the app loads connected import tune.

Further the app classifies transaction, revenue, expense, or transfer, based on the import tune. While transaction is transfer the app tries to find a target account. Now it uses key phrases from the [Accounts](#) directory. Since single target account found the app makes a target transaction in order to complete transfer.

Next stage is to select dimensions. The app tries to find a category, payer or payee, project, person based on there key phrases. Default values is used when no value found out.

Finally the app calculates amount and balance. Additional commission or correction transaction can be made or currency rate calculated when balance from notification is not equal to the app one. It depends on a context and transaction currency.

Sometimes notifications arrive in a wrong order not like a real transactions done. The app creates balance correction transactions in that case until the order becomes correct. The app will remove redundant corrections as far as possible after the order becomes correct.

Example

1. 13.04.2016, 10:00, balance = 1000 USD

The app got messages, sequence is invalid, correct one is 4, 3, 5, 2.

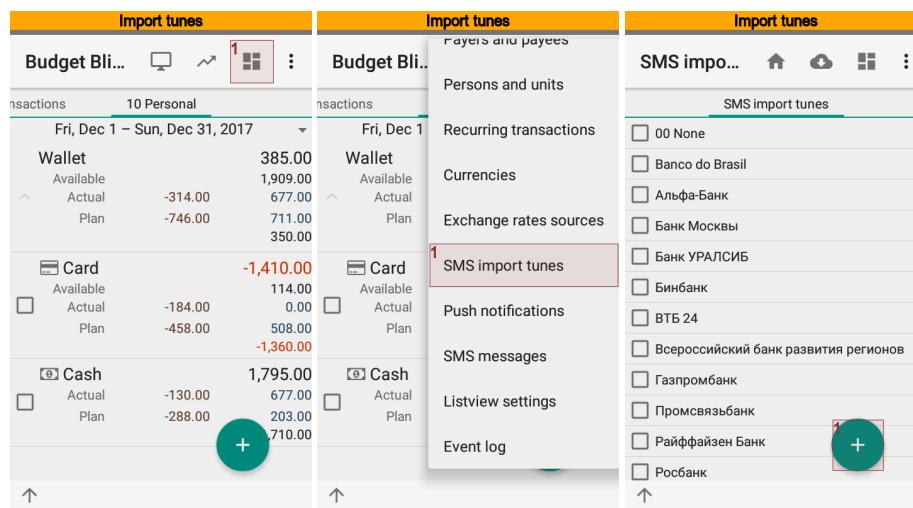
2. 13.04.2016, 15:00, expense = -50 USD, balance = 500 USD, → automatic correction = -450 USD
3. 13.04.2016, 15:05, expense = -90 USD, balance = 800 USD, → automatic correction = +390 USD
4. 13.04.2016, 15:10, expense = -110 USD, balance = 890 USD, → automatic correction = +200 USD
5. 13.04.2016, 15:15, expense = -250 USD, balance = 550 USD, → automatic correction = -90 USD

The app got message that starts correct sequence.

6. 13.04.2016, 15:20, expense = -100 USD, balance = 400 USD, → automatic correction = 0 USD, automatic corrections 2 — 5 removed

10.2 New Custom Import Tune

At this moment Budget Blitz for Android has more than 160 ready to use import tune for world wide financial institutions. It is not to match of course. But you can create an import tune by yourself with little effort. It is very easy to do.



Name for new setting can be different. It would be nice to make a name the same as financial institution.

Restriction by sender is only used in quite unique cases when the app is not able to identify account. That restriction fires before the app looking for an account by identity making list of accounts shorter.

Let the app has two accounts, for example

1. RocketBank, the identity is ru.rocketbank.r2d2, the import tune is RocketBank;
2. VTB, the identity is ***1234, the import tune is VTB.

RocketBank, the sender is ru.rocketbank.r2d2, sends notification about revenue as

```
Transaction >> +1 800 USD.
Source card is «VTB ***1234»
```

There is no identity in this notification but there is the transfer source account number. Without restriction by sender the app can not find the RocketBank account, because both accounts RocketBank and VTB are suitable.

Since the restriction is on, the app finds RocketBank import tune by sender ru.rocketbank.r2d2. Only RocketBank account uses that setting, so the app selects RocketBank account correctly.

The basic options of the import are established by key phrases. An option may have one or more comma separated key phrases.

Revenue and expense key phrases define transaction sign. The import is not possible when sign is undefined.

Transfer key phrases indicate to the app two transactions instead one required. The transfer direction depends on the transaction sign.

Let the setup be, for example, as:

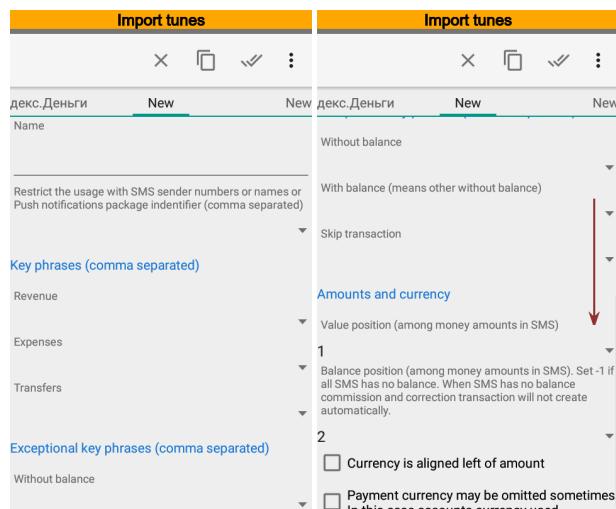
1. Revenues key phrases: “cash deposits,credit”
2. Transfers key phrases: “cash deposits”
3. Account Card identity: Visa2900
4. Account Cash key phrases: “ATM”

Bank sends notification:

Card Visa2900. Cash deposits 200.00 USD ATM. Balance: 2740.26 USD. 25/03/14,
→15:00:00.

As a result, the app will create two transactions:

1. Revenue transaction for Card account;
2. Expense transaction for Cash account.



Sometimes certain notifications have a balance and certain have not. Special key phrases help the app to understand when is case to calculate balance and when is not.

Sometimes notification is for information only but contains revenue or expense key phrases. *Skip transaction* key phrases makes possible to cancel import.

Example

1. Revenues key phrases: “cash deposits,credit”
2. Skip transaction key phrases: “error”
3. Account Card identity: Visa2900

Bank sends notification:

Card Visa2900. Cash deposits 200.00 USD ATM. Balance: 2740.26 USD. An error
→occurred. 25/03/14, 15:00:00.

As result, the app will not make a transaction. And it is the case, because ATM have made a money back not a cash deposits.

Amount position among digital values is the most probable place of the amount. Final decision is up to the app.

Balance position among digital values is the most probable place of the balance. Final decision is up to the app too.

Put -1 when there is no balance in notifications at all.

The app skips all notification without balance when *Balance position among digital values* is not equal -1. But you can specify key phrase to underline when the app has to expect balance and when have not to.

Transaction amount and balance are used to calculate currency rate, commission, and correction.

Near the money amount of transaction should be placed a currency. Left of or right of, it does not matter. Currency names and keywords are the glue for the app to find it out.

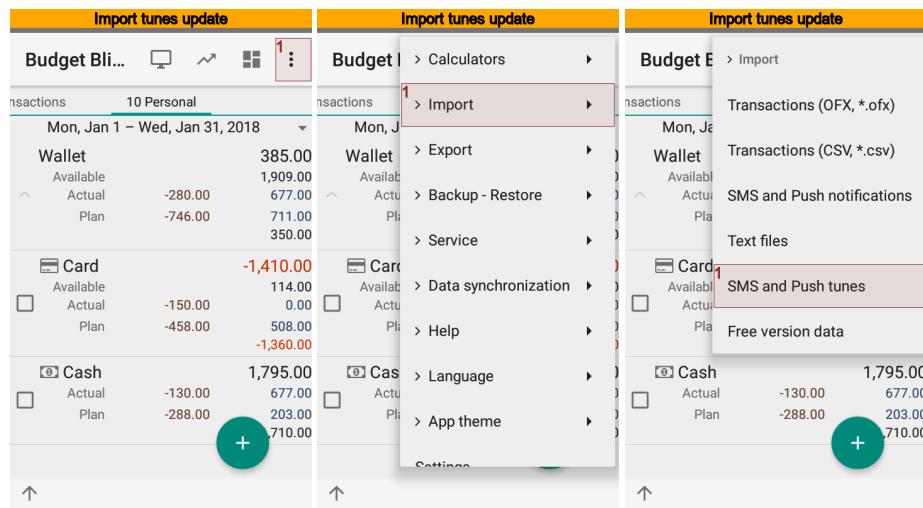
Certain financial institutions not always put currency in notifications. Use *Payment currency may be omitted sometimes* in that case and the app will use the currency of account.

CHAPTER 11

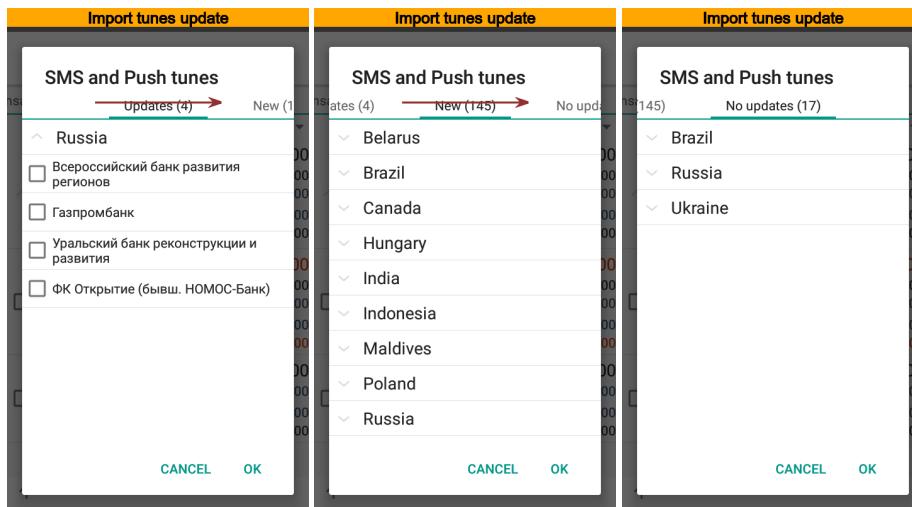
Data Import

11.1 Notification Import Tunes

Notification import tunes have the main role in the notifications import. Once financial institution changes notification structure the import tunes should be changed too. For that case you can download update or modify tunes by yourself, see chapter *Advanced Import SMS and Push Notifications Setting* (page 31).



Select menu item *Actions* → *Import* → *SMS and Push tunes* to get updates.



The app will show available update, also it is possible to download new ones here.

The image shows three parts of the Budget Blitz application. The left part is the main transaction overview screen with a green "+" button. The middle part is a context menu with "Settings" highlighted. The right part is the "Settings" screen containing various configuration options such as "Notifications", "Currency", "Backups", "Notifications", "App access", "Data synchronization", and "Settings (profiles)".

But may be you will see nothing. Check the import tunes exchange is on at settings.

11.2 SMS and Push Notifications

The app Budget Blitz for Android imports SMS and push notifications by default. But it is possible to import certain notification by hands. To do that

1. Open the import dialog.
2. Select a required account. The account should have the identity and the import tune.
3. Select required notifications.
4. Press **Import** button.
5. Check transactions list for the result.
6. Use event log to view issues.

The collage consists of eight screenshots illustrating the steps for importing SMS and Push notifications:

- Screenshot 1:** Shows the main transaction list for "10 Personal" on "Fri, Dec 1 – Sun, Dec 31, 2017". A green circle highlights the "+" button at the bottom right.
- Screenshot 2:** Shows the main menu with "Import" highlighted in red. A green circle highlights the "SMS and Push notifications" option.
- Screenshot 3:** Shows the "SMS and Push notifications" import settings screen. A red box highlights the "SMS and Push notifications" section. A green circle highlights the "IMPORT" button.
- Screenshot 4:** Shows the "SMS and Push notifications" import settings screen with a red box highlighting the "Import settings" section. A green circle highlights the "1 >" button.
- Screenshot 5:** Shows the transaction list after import. A green circle highlights the "+" button at the bottom right.
- Screenshot 6:** Shows the transaction list with a red arrow pointing from the top to the "Event log" tab.
- Screenshot 7:** Shows the "Event log" tab for "Thu, Dec 21, 2017". It lists several events with checkboxes and status messages. A green circle highlights the "+" button at the bottom right.
- Screenshot 8:** Shows the transaction list for "11.2. SMS and Push Notifications" on "Sat, 12/16/2017". A green circle highlights the "+" button at the bottom right.

11.3 CSV files

During **CSV** file import the app can create new accounts, categories, payers or payees, projects, and persons. It depends on your choice.

The column separator can be one of “;”, “,”, “|”, “/”, “”. File must be UTF-8 encoded.

The first row of the file must have column names in English, case does not matter. Since column names are placed at another row they are valid for next rows.

Table 1: CSV file format

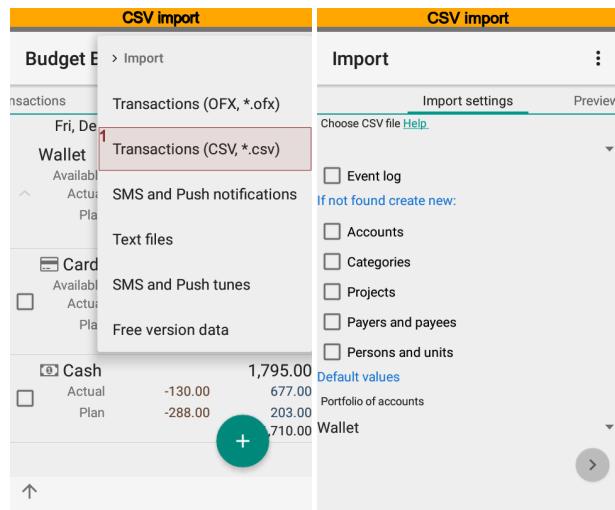
Names	Mandatory	Comment
id	No	Transaction identity, the app will search existed transaction if not empty.
account	Yes	Name, number, or identity of the account
date	No	Date of the transaction, supported formats: “dd’d’MM’d’yyyy” (for example, 01d01d2017), “yyyy’d’MM’d’dd” (for example, 2017d01d01), “yyyyMMddHHmmss”, “yyyyMMddHHmm”, “yyyyMMdd”, “yyyy-MM-dd HH:mm:ss”, “yyyy-MM-dd HH:mm”, “yyyy-MM-dd”, “dd-MM-yyyy HH:mm:ss”, “dd-MM-yyyy HH:mm”, “dd-MM-yyyy”, “dd.MM.yyyy HH:mm:ss”, “dd.MM.yyyy HH:mm”, “dd.MM.yyyy”
time	No	Time of the transaction, supported formats: “HH:mm:ss”, “HH:mm”, “HH-mmss”, “HHmm”
amount	Yes	Transaction amount, can have a currency and digits delimiters, fixed point should be point or comma
rate, exchange rate	No	Transaction rate
currency	No	Transaction currency, account currency is used when empty
payer, payee, contractor	No	Name of the contractor, the app will analyze current row keywords when empty
category	No	Name of the category, the app will analyze current row keywords when empty
project	No	Name of the project, the app will analyze current row keywords when empty
person, unit	No	Name of the person, the app will analyze current row keywords when empty
notes, note	No	Note
planned, plan	No	Actual (0) or planned (1), default value is 0
detail, split	No	Transaction (0) or detail of transaction (1). default value is 0

The row is canceled when mandatory columns are empty.

If the row contains not all mandatory columns, but amount column is not empty, then app creates split transaction. This is like column detail contains value 1.

To start the import

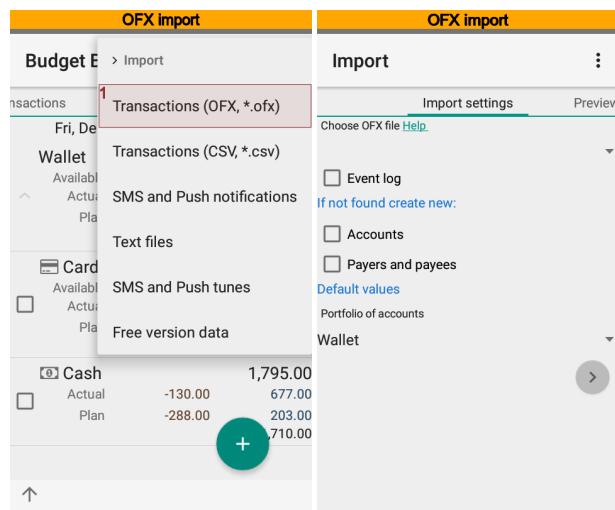
1. Open the import dialog.
2. Select a file.
3. Press **Next** and select required rows.
4. Press **Import** button.
5. Check transactions list for the result.
6. Use event log to view issues.



11.4 OFX files

Budget Blitz for Android supports import of **OFX** files meet specification starting from 2.1.1.

1. Open the import dialog.
2. Select a file.
3. Press **Next** and select required rows.
4. Press **Import** button.
5. Check transactions list for the result.
6. Use event log to view issues.



CHAPTER 12

Teamwork

12.1 Introduction

Budget Blitz for Android ensures the collaborative accounting of revenues and expenses. Here are a few examples:

1. Full synchronization between devices;
2. Collaborative financial accounting restricted by selected accounts, projects, persons, payers, payees, or even categories;
3. Collecting data on a single device, in a case of, for example, parents track children expenses.

Any device can become an exchange node, see [exchange node](#) and receive or transmit changes. Each exchange node can communicate with other ones.

Note: Free version can transmit messages only. The Pro version has no restrictions.

The app has flexible settings to control exchange. For example, you can allow to accept only new transactions from one node, and forbid modified ones. Each node has own settings.

Messages between nodes are encrypted in order to improve safety. For each node you can specify own password that will be used for encryption and decryption of a transmitted information.

Collaboration does not require Dropbox account or other ones.

12.2 Getting Started

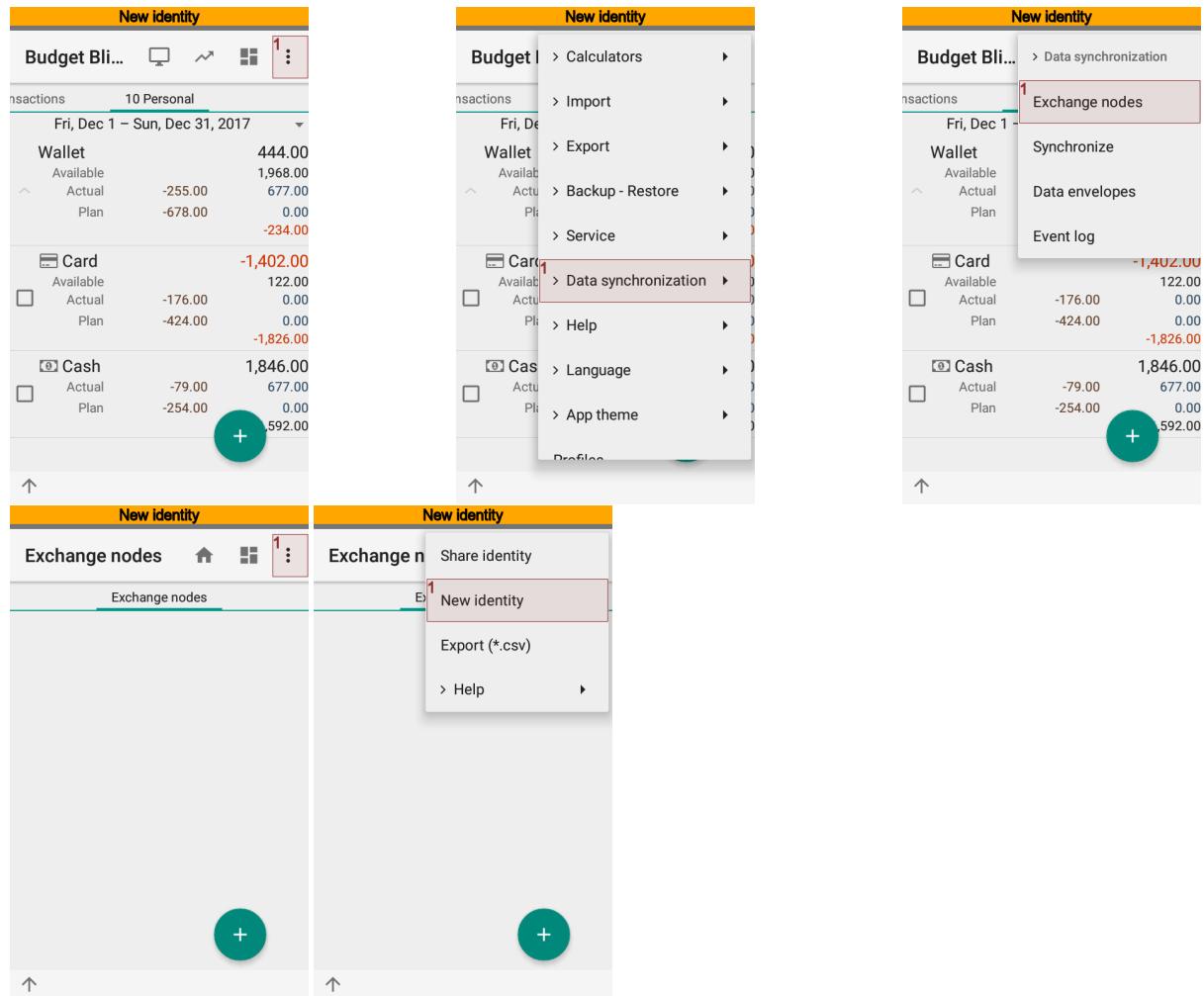
12.2.1 Initial Database

Suppose that Alice and Bob want to use a collaborative financial accounting. Then, they need to decide what is the best suited case:

1. At the beginning Alice and Bob will have similar database.
2. Alice and Bob already use the app, they do not want to combine their databases, and plan to synchronize selected accounts only.

For the first case Alice or Bob, let it be Alice, makes a backup. Further, Alice gives the backup to Bob and he restores database on his device. Now Alice and Bob have similar database. The teamwork requires databases have different identities. Hence, Bob generates new identity for his database.

Note: It is required to make a new database identity when database restored from backup of another teamwork member.

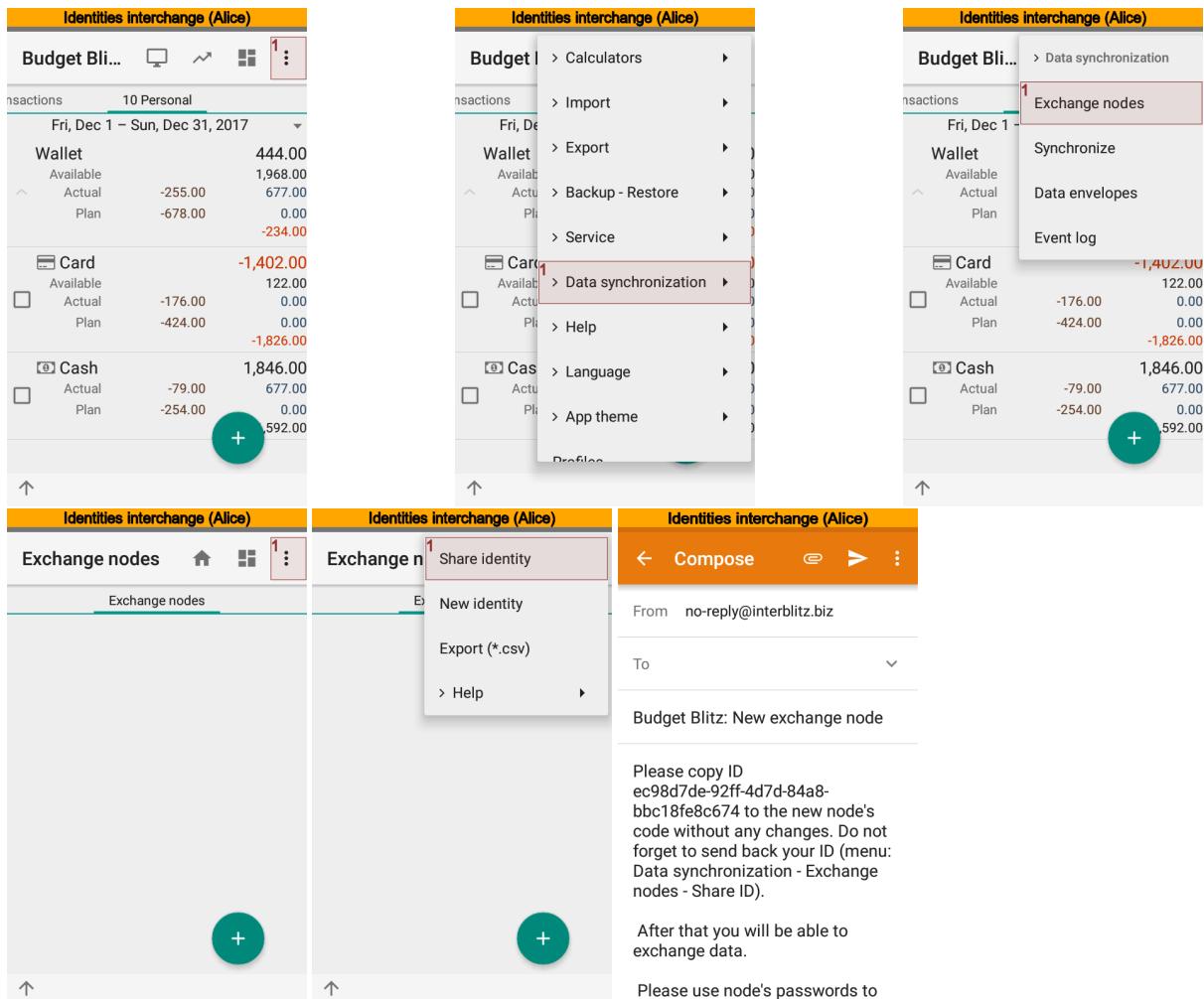


Now Alice and Bob are ready for next steps.

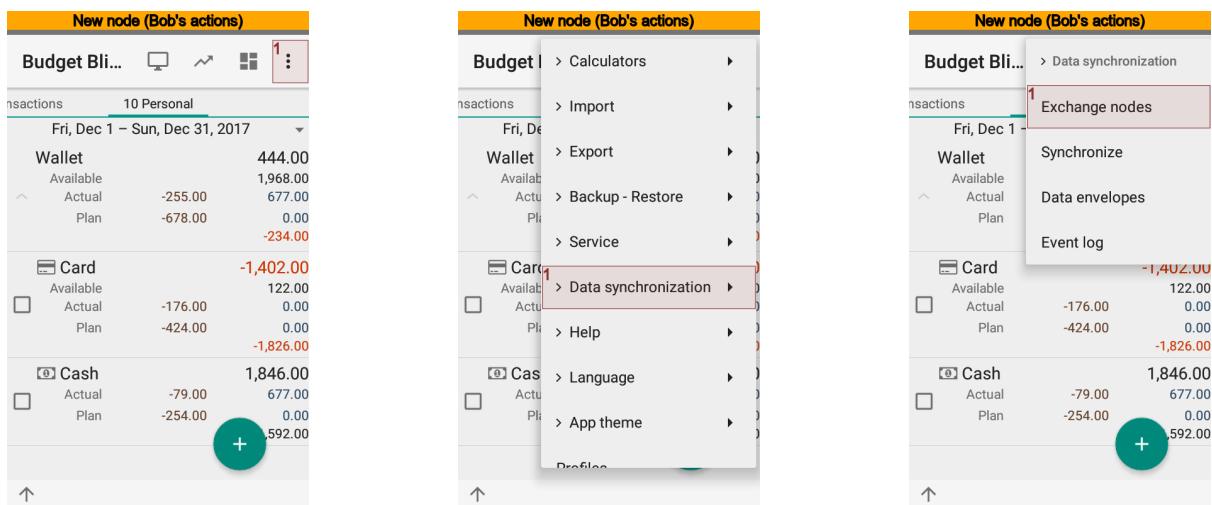
In the second case there is no need to preliminary actions. Alice and Bob are ready for next steps at once.

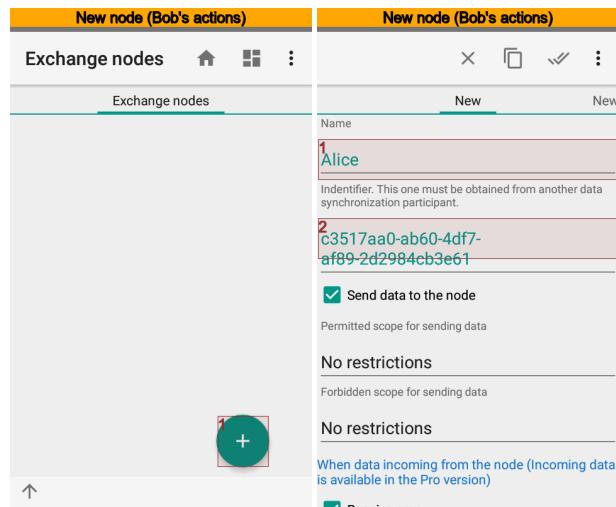
12.2.2 Identities Interchange

The most important step under preparing teamwork is an identities interchange. To do that Alice opens **Exchange nodes** directory using *Actions → Data synchronization → Exchange nodes* menu. Then, Alice presses *Share ID* and sends identity to Bob by email.



Bob receives the message, creates new exchange node putting the name and identity from the message. After that he sends his own identity to Alice.





Now, there is a turn of Alice to receive Bob message. She creates new node and puts identity from the message of Bob.

12.3 Setting Teamwork On

When identities interchange completed, Alice and Bob set synchronization on at the app settings.

Now the app sends all changes from the database of Alice to the database of Bob and vice versa. The app

synchronizes changes every five minutes when Wi-Fi or mobile network is on. Synchronization is off when device falls asleep or network is off. This ensures to save network traffic and battery power.

This is how exchange works:

1. Since exchange started the app checks whether screen is on or not.
 1. Next time to start synchronization is 5 minutes after, if screen is on.
 2. Next time to start synchronization is 60 minutes after, if screen is off.
 3. Synchronization is canceled when phone falls asleep.
2. Since main screen started the app checks next time of synchronization.
 1. Nothing happen if next time is within 10 minutes.
 2. Synchronization starts if next time is greater than 10 minutes.
 3. Synchronization is off when there is no network until network is on.

You can run synchronization by hands if you want to.

12.4 How Synchronization Works

The app Budget Blitz for Android stores every directory items and transactions changes. Node sends changes that occur starting from the time last message sent or node created itself. The sequence of exchange matters. Alice sends changes to Bob. Then Bob sends changes to Alice and so on. The node of Alice will await response from the node of Bob. Thus, the node of Alice will send no anymore messages until response from the Bob coming.

The app synchronizes directories using rules below:

1. syncing by the unique id;
2. syncing by key phrases;
3. syncing by the name.

When syncing fails the app goes to the next step. The app will create new item or use default value if all steps fail. You can edit default values at the node card.

Transactions sync by the unique id only.

12.5 Advanced Settings

Alice and Bob can restrict the amount of information transmitted. There are two types of constraints:

1. permitted data scope;
2. forbidden data scope.

Scopes specified in the **Data scopes** directory. It is possible to specify any combination of accounts, categories, payers, payees, projects, and persons.

Forbidden scope has a higher priority, when the permitted and forbidden data scopes contain same item simultaneously.

Transactions, recurring transactions, and directory items to transmit are based upon data scopes.

Alice and Bob can restrict items to receive. For example, Alice can refuse all new, modified or removed items. Another case is to specify certain type of directory to refuse.

12.6 Data Transfer Settings

To improve the security of data transmission Alice should specify a password that will be used to encrypt messages between exchange nodes. Alice's password must match the Bob's one.

Alice also should indicate what type of communications is used for messaging with Bob. Available types are Wi-Fi and mobile network.

12.7 Default Values

Alice and Bob can have a different app content. For example, Bob has a long time using Budget Blitz for Android, and Alice has just installed the app. Bob can create transaction and specify, for example, a project that Alice does not have. When a message from Bob arrives, Alice's node will create a transaction, but could not find a proper project. In that case the app will use a default value Alice set to the node of Bob.

12.8 Moving Database to a New Device

Suppose that Alice decides to move onto new phone. Then, Alice should follow steps:

1. Set synchronization off for an old device.
2. Make backup.
3. Restore backup on a new device.
4. Set synchronization on for a new device.

CHAPTER 13

Reports

The top menu is the place where reports are available. Each report has the options to filter, grouping and saving of settings. Use the bottom sheet to manage a report. When you open a report from the transactions list or another report filter inherits.

The screenshots illustrate the MoneyWiz app's reporting features across three main sections: Budget Blier, Reports, and Debts.

- Budget Blier:** Shows a summary of personal transactions for the period from Fri, Dec 1 – Sun, Dec 31, 2017. It includes a table for Wallet, Card, and Cash accounts, with a total balance of -1,402.00. A green circular button with a '+' icon is located at the bottom right of the table.
- Reports:** A list of report types:
 - Schedule of payments
 - Plan vs. actual
 - Turnovers
 - Totals and turnovers
 - Planned totals and turnovers
 - Debts
 - Plan implementation
 - Distribution of turnovers
 - Changes in turnovers
 - Changes in totalsA red arrow points upwards from the bottom of the left screenshot towards this list.
- Debts:** Shows a summary of debts for the same date range. It includes a table for Wallet and Loans accounts, with a total balance of 254.00. A green circular button with a '+' icon is located at the bottom right of the table.

You can always drill down from row of report to look at source transactions.

Also it is possible to make shortcuts for having fast access to a report with predefined settings. Once you have created shortcuts, they are available from the Android launcher screens.

13.1 Payment Schedule

The report is intended to display upcoming payments planning. The schedule contains planned and actual transactions of the current time range. Hence, you can see not only planned but remunerated transactions as well.

Schedule of payments	Plan vs. actual	Turnovers
Schedule of pay...	Plan vs. actual	Turnovers
<hr/>		
10 Personal	10 Personal	10 Personal
Fri, Dec 28, 2017 – Thu, Jan 25, 2018	Fri, Dec 1 – Sun, Dec 31, 2017	Fri, Dec 1 – Sun, Dec 31, 2017
444.00 -508.00 -64.00	-746.00 -255.00 491.00 -85.00 -85.00 -85.00 0.00 0.00 -339.00 -67.00 272.00 -169.00 -34.00 135.00	711.00 677.00 -34.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
Wallet	Wallet	Wallet
Thu, December 28, 2017		
+ ↗	+ ↗	+ ↗

13.2 Plan vs. Actual

The report is intended to show deviations between planned and actual transactions of the current time range. Top row is an actuals and next row is a plan. For example, you can see that there is unplanned credit transaction under **(Loans)** category, and planned amount under **(Clothes, footwear and accessories)** category is remunerated.

You can get the report grouped by dimensions and periods as well.

13.3 Turnovers

The report is intended to analyze aggregated turnovers of the current time range. For example, you can see that there are a credit transaction under **(Loans)** category, debit transaction under **(Pocket expenses)** one, and so on.

The report is able to show actual and planned transaction as well. The report displays actual transactions by default.

13.4 Totals and Turnovers

The report is intended to analyze opening, closing balances and aggregated turnovers of the current time range. The report is based on actual transactions only.

Totals and turnovers	Planned totals and turnovers	Debts
Totals and turnover... Home ↗ ⋮	Planned totals a... Home ↗ ⋮	Debts Home ↗ ⋮
10 Personal	10 Personal	10 Personal
Fri, Dec 1 – Sun, Dec 31, 2017	Fri, Dec 1 – Sun, Dec 31, 2017	Fri, Dec 1 – Sun, Dec 31, 2017
22.00	22.00	254.00
-255.00	-763.00	254.00
677.00	677.00	254.00
444.00	-64.00	254.00
-1,226.00	-1,226.00	
-176.00	-515.00	
-1,402.00	-1,741.00	
1,248.00	1,248.00	
-79.00	-248.00	
677.00	677.00	
1,846.00	1,677.00	
+	+	+
↑	↑	↑

13.5 Planned Totals and Turnovers

The report is intended to analyze opening, closing balances and aggregated turnovers of the current time range. The report is based on planned transactions only.

13.6 Debts

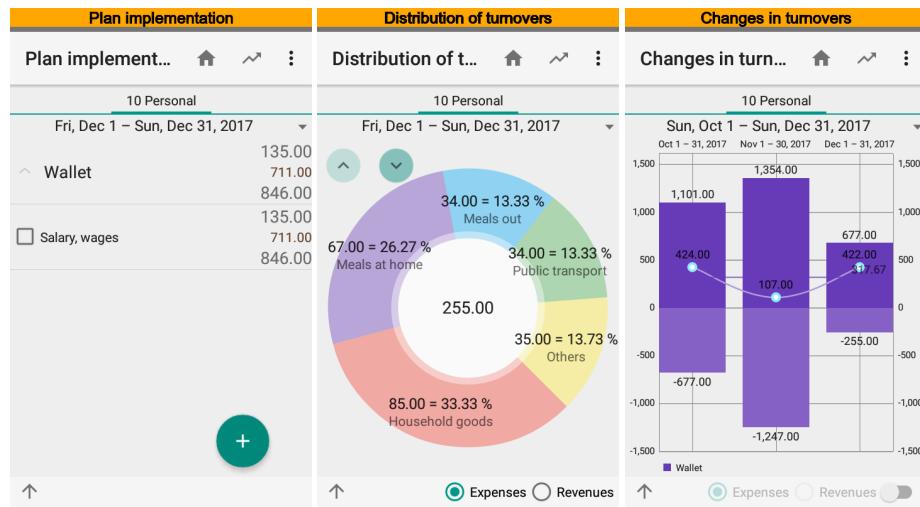
The report is based on transactions that contain categories having *Totaling (summary)*, *Revenue*, and *Expense* options are on. The report shows opening, closing balances and aggregated turnovers. Zero amounts are hidden.

For example, you can see that Loans category has no opening balance. During the time range there was a loan transaction. And there was no repayment because closing balance is equal to the credit amount.

13.7 Plan Implementation

The report is based on planned and actual transactions that contain categories having *Totaling (summary)* option is on, and one of *Revenue* and *Expense* options only is on. The report evaluates a total amount of planned transactions and deduct a total amount of actual transactions. Plan implementation shows opening, closing balances and aggregated turnovers. Zero amounts are hidden.

For example, you can see that Salary, wages category has the opening balance. Hence, it is not completed, i.e. actual amount is less than planned. Also it is expected an actual credit transaction. But there is no actual transaction yet.



13.8 Distribution of Turnovers

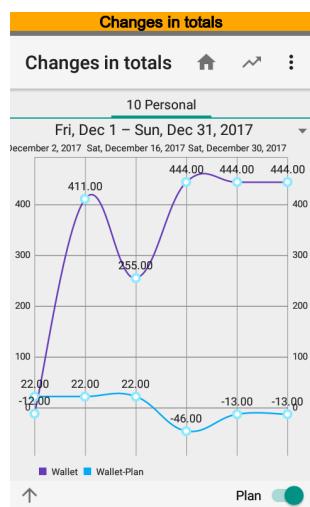
The chart is intended to analyze turnovers distribution by dimension and time ranges. You can view expenses or revenues separately. Rotate chart counterclockwise when names are not fully shown.

13.9 Changes in Turnovers

The chart is intended to analyze tends of turnovers. Positive part of the chart contains credits and negative part contains debits.

13.10 Changes in Totals

The chart is intended to analyze how totals change within the time range. At the same time it is possible to look at actual and planned totals.



CHAPTER 14

Reminders

Budget Blitz for Android can remind you about some important events based upon reports or transactions list. Reminders may be one-time or recurring. Using reminders you are able to:

- Customize notifications about no category transactions.
- Customize notifications about specific transactions.
- Customize warnings about plan and actuals difference.
- Customize warnings about any events you can find with reports.
- Run reports on a schedule.

Note: You can access to the report from notification using version Pro

First of all you need to specify criteria for events that will produce notifications. To achieve that edit and save report setting having required filters and grouping, see *Report Settings and Shortcuts* (page 61).

As far as setting is ready make reminder for it using **Reminders** button or from **(Reminders)** directory.

Note: Beginning from Android 4.4 the accuracy of the reminders is +/- 15 minutes.

Let's take a look at example of creating a reminder about transactions with an empty category. On the home screen move to the transactions list.

The screenshot shows three identical-looking Reminders windows side-by-side. Each window has a title bar 'Budget Bl...'. Below it is a table with columns for 'Transactions', '10 Personal', and '20 Small I...'. A red arrow points to the second transaction in the middle window, which is a 'Card' entry with a value of '-1,444.00'.

Edit the filter so that transaction list has only ones with an empty category.

The sequence of screenshots illustrates the steps to filter transactions by empty categories:

- Initial Transaction List:** Shows the full transaction list with three items: a cash withdrawal, a purchase of clothes, and a public transport expense.
- Filter Dialog:** The 'Filter' dialog is open, showing a dropdown for 'Category' with the option '00 None' selected. A red box highlights the 'OK' button.
- Filtered Transaction List:** The list now shows only the two transactions related to public transport and clothes purchases.
- Report Settings Dialog:** The 'Report setting' dialog is open, showing a dropdown for 'Filter: Planned' with the option 'Filter: Planned' selected. A red box highlights the 'OK' button.
- Final Transaction List:** The list now shows only the two transactions related to public transport and clothes purchases, as per the applied filter.

After the filter applied, transactions list has changed, it now contains only two items. Let's save the filter into report setting. Open bottom side for that and pressing on **Report settings ▾** create a new report setting. You can modify period of setting but now we leave it unchanged.

The first screenshot shows a list of transactions for the period Sep 1 - Sep 30, 2018. A reminder is set for a transaction on Sep 30 at 9:20 AM, Cash, amount -5.00. The second screenshot shows the creation of a new reminder named 'Category not specified' for every day at 6:16 PM. The third screenshot shows the reminder being saved with a notification 'Changes are saved.'

Now let's create reminder base upon new report setting. Move to reminders list and make a new one. Specify date of beginning, time of running, recurrence type and a name. You will see the name in a notification that produced by reminder.

The first screenshot shows the 'Reminders' screen with a plus icon. The second screenshot shows the creation of a new reminder named 'Specify category!' for every day at 6:16 PM. The third screenshot shows the reminder being saved with a notification 'Changes are saved.'

Reminder is ready, now we will test it. Select reminder and press **Run**. In the status bar you see notification about transactions with an empty category.

The status bar shows a notification for 'Specify category!' for transactions on Mon, 10/1/2018, 6:16 PM.

You can press on notification to preview list of transactions.

Note: Only Pro version allows moving to data of notifications.

Now you will see notification every day at the specified time when you have one or more transactions with an empty category.

CHAPTER 15

Bulk Actions

Budget Blitz for Android admits to make actions under the set of objects. For example you can change a category in several transactions at once. Bulk actions are supported by any directories too.

15.1 Objects Selection

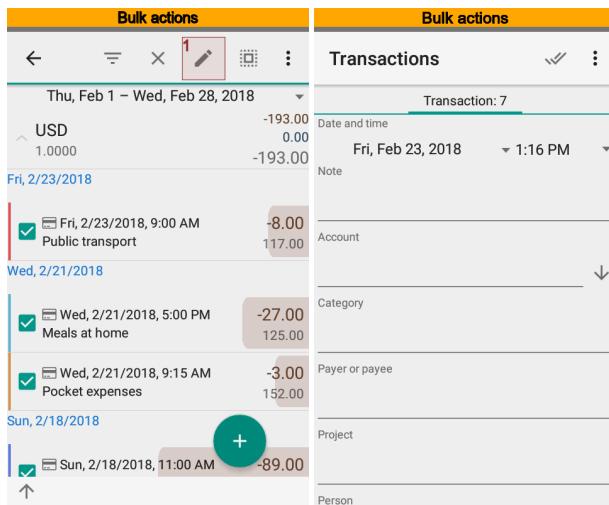
In the example below you can see multiply selection at the transactions list. Same actions can be done in any directory.

Bulk actions		Bulk actions		Bulk actions	
Transactions	Home	Back	Search	Edit	More
Thu, Feb 1 – Wed, Feb 28, 2018	-193.00	Thu, Feb 1 – Wed, Feb 28, 2018	-8.00	Thu, Feb 1 – Wed, Feb 28, 2018	-193.00
USD	0.00	USD	0.00	USD	0.00
1.0000	-193.00	1.0000	-8.00	1.0000	-193.00
Fri, 2/23/2018		Fri, 2/23/2018		Fri, 2/23/2018	
<input type="checkbox"/> Fri, 2/23/2018, 9:00 AM	-8.00	<input checked="" type="checkbox"/> Fri, 2/23/2018, 9:00 AM	-8.00	<input checked="" type="checkbox"/> Fri, 2/23/2018, 9:00 AM	-8.00
Public transport	117.00	Public transport	117.00	Public transport	117.00
Wed, 2/21/2018		Wed, 2/21/2018		Wed, 2/21/2018	
<input type="checkbox"/> Wed, 2/21/2018, 5:00 PM	-27.00	<input type="checkbox"/> Wed, 2/21/2018, 5:00 PM	-27.00	<input checked="" type="checkbox"/> Wed, 2/21/2018, 5:00 PM	-27.00
Meals at home	125.00	Meals at home	125.00	Meals at home	125.00
<input type="checkbox"/> Wed, 2/21/2018, 9:15 AM	-3.00	<input type="checkbox"/> Wed, 2/21/2018, 9:15 AM	-3.00	<input checked="" type="checkbox"/> Wed, 2/21/2018, 9:15 AM	-3.00
Pocket expenses	152.00	Pocket expenses	152.00	Pocket expenses	152.00
Sun, 2/18/2018		Sun, 2/18/2018		Sun, 2/18/2018	
<input type="checkbox"/> Sun, 2/18/2018, 11:00 AM	-89.00	<input type="checkbox"/> Sun, 2/18/2018, 11:00 AM	-89.00	<input checked="" type="checkbox"/> Sun, 2/18/2018, 11:00 AM	-89.00
	+		+		+

Open transactions list first of all. Then select required transactions. To select all transactions just select one and press **Select all** from the top menu.

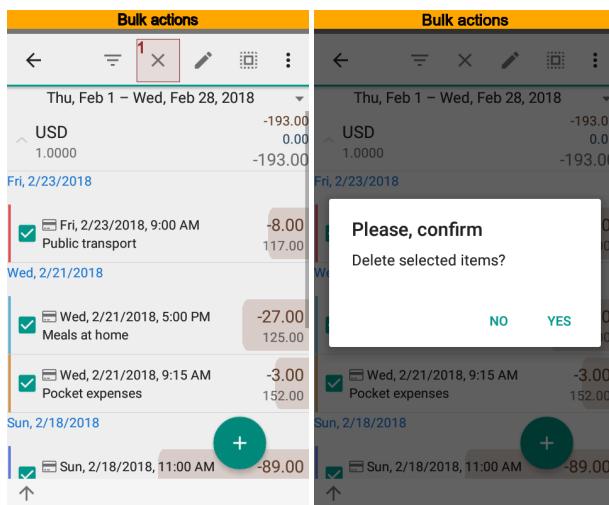
15.2 Editing

Press **Edit** button to edit selected transactions. You will see the dialog that contains amount of objects and properties available to change. Modifications are applied only for changed properties.



15.3 Deleting

Press **Delete** to delete selected transactions. Since confirmed the app will delete selected items.



15.4 Filters

You can make a filter based on selected items. It is convenient when you want, for example, to see all transactions with the same dimensions as selected ones.

Press **Filter** to make a filter.

The screenshot shows the BudgetBlitz application interface. On the left, the 'Bulk actions' panel displays a list of transactions for the period from Thursday, February 1 to Wednesday, February 28, 2018. The transactions include: USD 1.0000 (balance) on Thu, Feb 1; USD 0.00 on Fri, Feb 23; USD -193.00 on Fri, Feb 23 (Public transport); USD -27.00 on Wed, Feb 21 (Meals at home); USD -3.00 on Wed, Feb 21 (Pocket expenses); and USD -89.00 on Sun, Feb 18 (Meals at home, Meals out, Public transport, Pocket expenses). On the right, the 'Filter' panel allows users to refine their search using criteria such as Date and time, Account, and Category.

15.5 Repetitive Sending Under Teamwork

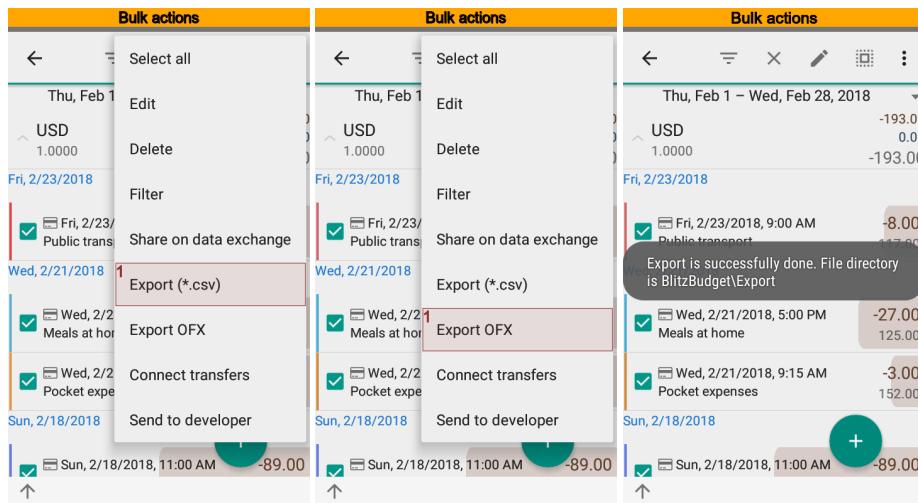
Sometimes there would be a necessity to send transaction or directory item again when teamwork used. Press *Share on data exchange* menu item to do that.

The screenshot shows the 'Share on data exchange' context menu being displayed over a selection of transactions. The menu includes options like 'Select all', 'Edit', 'Delete', 'Filter', 'Share on data exchange', 'Export (*.csv)', 'Export OFX', 'Connect transfers', and 'Send to developer'. A tooltip message states: 'Selected items will be sent to exchange nodes respecting all restrictions on the next data exchange time'. The main application window shows the same list of transactions as the previous screenshot.

15.6 CSV and OFX Export

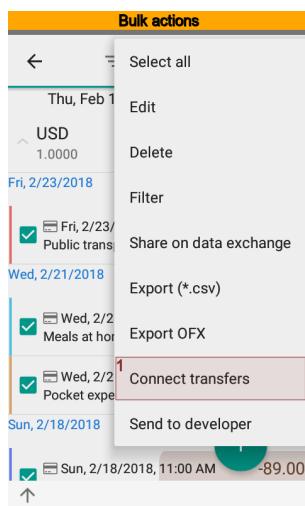
You can export selected transactions to CSV and OFX files. Press *Export CSV* and *Export OFX* to do that. In contrast to transactions directory items can be exported to a CSV file only.

Note: Export transaction to an OFX file is available in the Pro version only.



15.7 Connecting of transactions

Sometimes one wants to additionally connect transactions to have a real transfer. For a example, you may want to connect two separate transactions when transfer was created by hands or as a result of an import. To get transactions connected just check at least one transaction and run the operation and the app will find and connect complement transactions automatic.

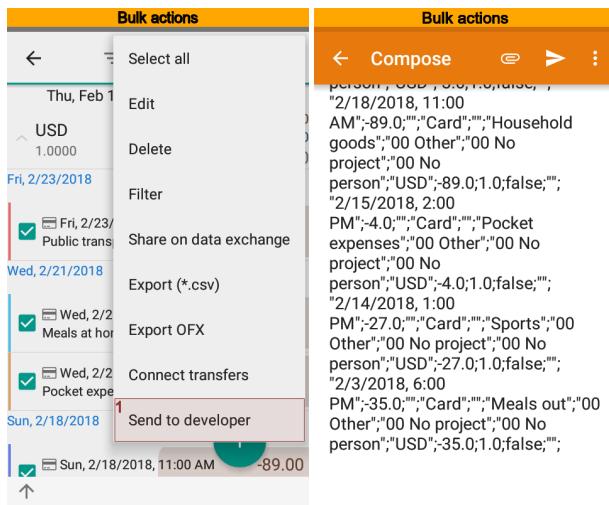


Note: Starting from the version 6 both transactions are automatic connecting when transfer is made by hands, thus there is no need to additionally connect these transactions. Connecting transactions are marked by a special icon.

15.8 Sending Source Data to Developer

Sometime you need a help to understand what is going on in the app. Usually in order to get a help it is required to show source data to the developer.

Press *Send to developer* menu item to send select objects. You will see a letter before sending, so you will be able to edit some data.



CHAPTER 16

Report Settings and Shortcuts

16.1 Report Settings

Budget Blitz for Android can store custom grouping and filters for reports and transactions list. Let us look into the matter using an example of **(Turnovers)** report. You can save settings for other reports and transactions list by the same way.

Since started the report has default grouping, filter and time range.

The image consists of three screenshots of the Budget Blitz app on an Android device. The first screenshot shows the 'Shortcuts' screen with three cards: 'Budget Blitz...', 'Transactions', and 'Turnovers'. The second screenshot shows the 'Turnovers' report for '10 Personal' accounts from 'Fri, Dec 1 – Sun, Dec 31, 2017'. It displays a table of turnover amounts for various categories like Wallet, Card, and Cash. The third screenshot shows the bottom sheet for filter settings, where a red box highlights the 'Turnovers' section. A green circle with a '+' sign is at the bottom left of the first two screenshots, and a red arrow points from the '+' sign in the first screenshot to the '+' sign in the third screenshot, indicating how to open the filter settings.

We will try to make fast access to **(Turnovers)** report based on a filter having one account only.

Edit filter settings. To do that pull bottom sheet and press **Filter ▼**. Select only one account and save changes.

The screenshots illustrate the process of creating a persistent report setting. In the first window, a Turnovers report for '10 Personal' is displayed, showing a breakdown by category. The 'Wallet' category is expanded, revealing transactions like 'Clothes, footwear and accessories', 'Household goods', 'Loans', etc. A green circle highlights the '+' button at the bottom right of the report area. The second window shows a 'Filter' dialog with 'Card' selected under the 'Account' section. The third window shows the 'Listview setting' dialog, also with 'Card' selected under 'Account'.

You can see at the pictures that report contains data of the only one account. To create a persistent setting press Report settings ▾ at the bottom sheet and choose create new setting from the drop down list.

The screenshots show the final state of the report setting creation. The first window shows a 'Filter' dialog with 'Card' selected under 'Account'. The second window shows a Turnovers report for '10 Personal' with a 'Card' category expanded, showing transactions like 'Meals out', 'Pocket expenses', etc. A green circle highlights the '+' button at the bottom right of the report area. The third window shows the 'Listview setting' dialog with 'Card' selected under 'Account'.

Put the name One account turnovers for the new setting and save. Now One account turnovers is ready to use. A report will have grouping and filter values of the setting when you choose it from the drop down list.

The screenshots show the final step of saving the report setting. The left window shows the 'New' dialog with 'One account turnovers' entered and checked. The right window shows a Turnovers report for '10 Personal' with a 'Card' category expanded, showing transactions like 'Meals out', 'Pocket expenses', etc. A green circle highlights the '+' button at the bottom right of the report area.

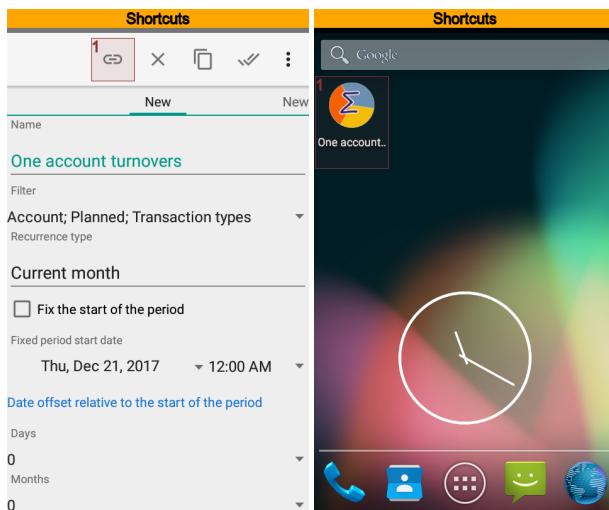
16.2 Creating Shortcuts

Using Budget Blitz for Android you can open reports and transactions list from the Android launcher screen. At the previous section you have got the new persistent setting. Let us suppose that you want to create a shortcut for it.

Note: Shortcuts available in the Pro version.

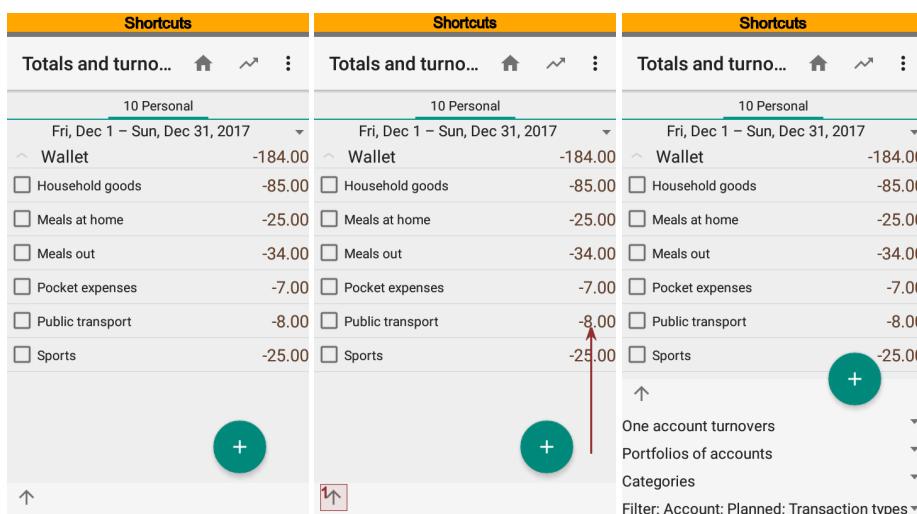
Let us go back to the setting card. Please keep in mind that setting has a frequency. The time range of the new report depends on that frequency. Current month is the default value and you can put another one.

Press **Create shortcut** to create the shortcut.



New shortcut will appear at the free space of the one of Android launcher screens.

Note: The shortcut is connected with list view setting. The shortcut will be broken when setting has removed.



Let us check the shortcut. Press it and make sure that report started. As you can see at pictures the app applied filter of the shortcut.

A shortcut is just a link to persistent setting. Modify setting properties if you want to modify shortcut.

CHAPTER 17

Widgets and Templates

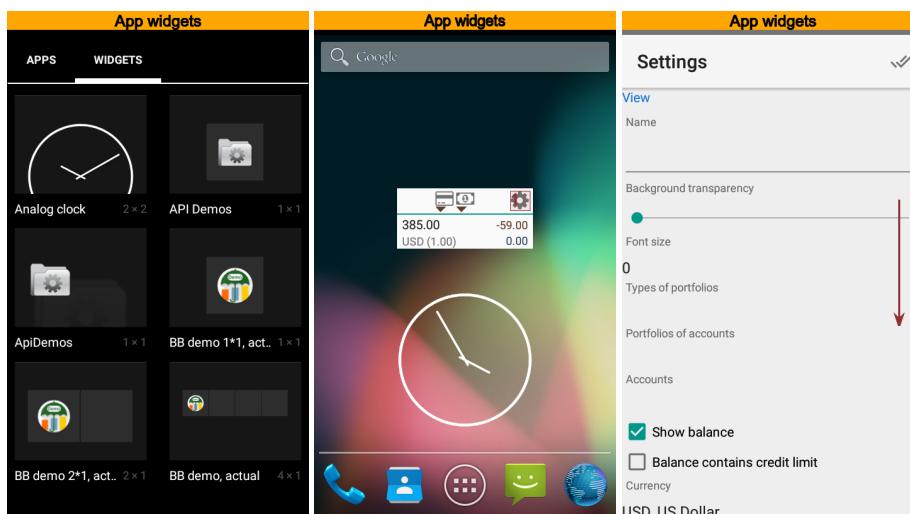
17.1 Widgets

Budget Blitz for Android has the convenient widget to show actual balance, turnovers and to create new transaction.



Available size of widget are 1x1, 1x2, and 1x4. The widget theme and the app theme are equals.

You can use widget not only like a financial highlights. Other ways of usage are short report and template of new transaction.



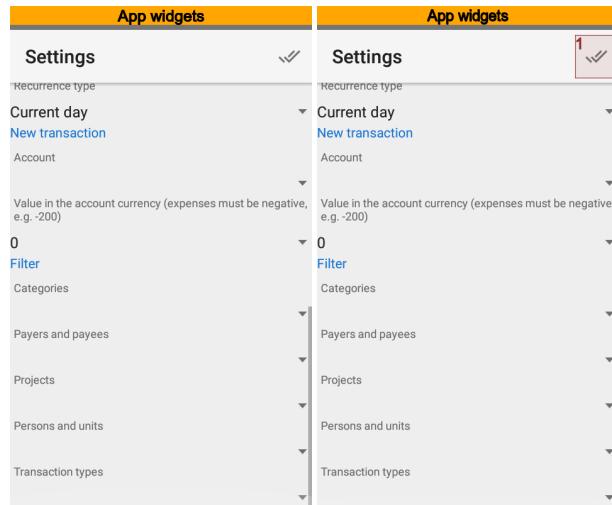
A new widget contains a balance and turnovers for the current day. Press **Settings** to modify widget.

The View section has main widget options.

Use the *Name* when you have more than one widget. You can keep it empty if you want to.

Use the *Types of portfolios*, the *Portfolios* and the *Accounts* options to restrict information of widget. You can put one or more values. Different widgets can have different options. For example you can have two widgets, one for certain account, and another for another one.

Use the *Show balance* to set balance visibility on or off. Also you can specify whether credit limit is ignored or not when balance is calculated. Balance is free of credit limit by default and for credit cards you will have a negative balance.



17.2 Using Widgets as Transaction Templates

The **New transaction** button is available in the widget since account for new transactions specified in settings. Also you can set an amount for new transaction. That amount will be copied to a new transaction.

Values of a filter will be copied to a new transaction as well.

Thus, you can use widget like a new transaction template.

Note: Templates are available in the Pro version. Free version ignores an amount and values of filter.

17.3 Using Widgets as Reports

Since widget has flexible settings you can use it as a report with persistent settings. The Filter section is the key.

Note: Widgets as reports are available in the Pro version.

17.4 Widgets as Reports Example

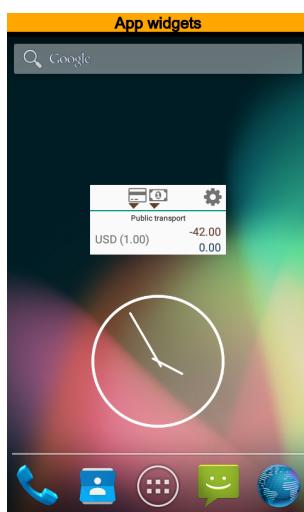
Let us make a widget setup to show public transport expenses during current month. Open widget settings and put the `Public transport` name.

The screenshots show the 'App widgets' settings interface. In the first panel, 'Public transport' is selected under 'Categories'. In the second panel, 'Current day' is selected under 'Recurrence type'. In the third panel, 'Current month' is selected under 'Recurrence type'.

Set balance off, because we do not need to see totals. Select current month as the time range.

The screenshots show the 'App widgets' settings interface. In the first panel, 'Current month' is selected under 'Recurrence type'. In the second panel, 'Public transport' is selected under 'Categories'. In the third panel, 'Public transport' is checked under 'Filter'.

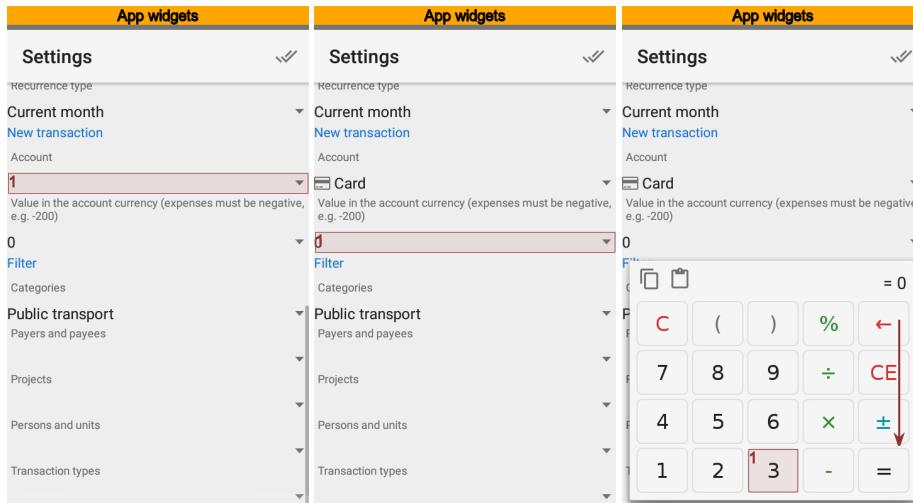
Set the **Public transport** category and save settings.



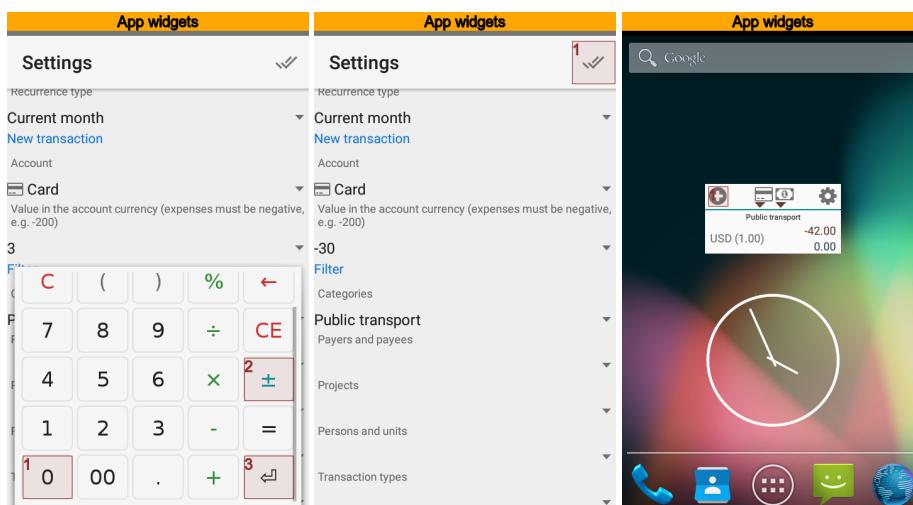
Now you can see turnovers under **Public transport** category for the current month, expenses amount, and accounts that are the source of payments.

17.5 Widgets as Templates Example

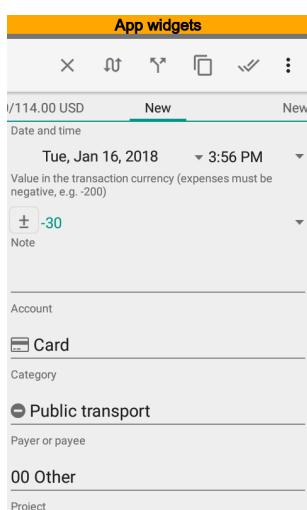
Now, modify settings the way you can fast create expenses. Open the setting to do that.



Set the account you will pay often for public transport. Also put the most frequent amount.



Save settings. Now the button to create new transaction appeared.



Create new transaction and you will see one contains the account, the amount and the category already. All you

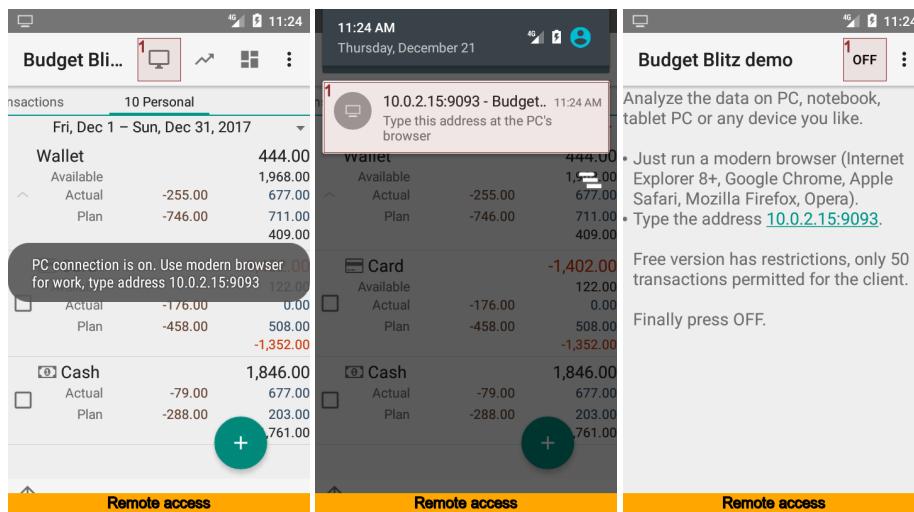
have left to do is save the new transaction.

Using same way you can put payer, payee, project, and person for a new transaction. Each new template should have a new widget.

CHAPTER 18

Remote access

Since installed Budget Blitz for Android has the PC client. It supports Windows, Linux, Mac, etc. All you need is a modern browser, Internet Explorer 8+, Google Chrome, Apple Safari, Mozilla Firefox, or Opera.



Activate client from the main screen. After the PC access get started the app will show the brief guide how to run client on your PC. At the same time you can see the display sign at the Android top bar.

PC client contains ready to print reports and charts.

CHAPTER 19

Integration with third party applications

You can integrate Budget Blitz for Android with other applications. For example, you can connect Budget Blitz for Android with a voice assistant and create transactions by voice. Another hint is to create transactions using Tasker.

19.1 Making Transactions From Text

To create a new transaction you just need to send broadcast intent. Since intent received the app analyze it and create new transaction using notifications detection algorithm.

Intent parameters are

Class = `biz.interblitz.intent.CONVERT_TEXT_TO_NEW_TRANSACTION`

Extras:

1. `timestampMillis`: Type of long, date and time of a new transaction in milliseconds. Current date and time used when empty.
2. `address`: Type of String, sender of the message, can be empty.
3. `message`: Type of String, message like a notification to create a new transaction, required.

19.2 REST API

Budget Blitz for Android supports [REST API](#). API allows to create new directories and transactions, and edit or delete existed ones. Using this API you can create your own addons or applications.

You have to enable remote access to dial with [REST API](#) and read documentation, see chart *Remote access* (page 71). Documentation is available by [Swagger](#). On the [Swagger](#) page type the address `http://{{server}}:{{port}}/api/v1/docs.json`. Server and port will be available after PC connection enabled.

You can try app examples at the [github.com](#). After an example has loaded type Budget Blitz for Android address as `http://{{server}}:{{port}}`.

19.3 Intents API

In addition to simple API for making transactions from text Budget Blitz for Android supports extended Intents API. It consists of two parts, events and data requests. API based on the REST API. By default Intents API is OFF. You have to enable it selecting the part you need.

19.3.1 Intents API: Part 1, Events

When directories and transactions are saving events occurs. On the event Budget Blitz for Android sends Intent. You have to select target packages in the settings. Intent contains:

Action = {biz.interblitz.budget{free/pro}.api.event.ITEM_ONCHANGE}

Extras:

1. collection - collection name that fires event
2. id - object id that fires event

When transaction is coming from notification import Extras contains

1. notification - notification text
2. address - notification address (phone number or package name)
3. amount - transaction amount
4. currency - transaction currency

To get more data you should send request Intent.

19.3.2 Intents API: Part 2, Requests

Request intents intended to get, modify or delete some data. Intent structure is

Class = biz.interblitz.service.ApiReceiver

Action = {biz.interblitz.budget{free/pro}.api.request}

Extras:

1. method - single value from: GET, POST, DELETE
2. path - path to the collection
3. body - JSON data
4. package - full package name to receive response, response will not return if empty
5. class - package class to receive response, may be empty

Also Extras can contain any other data. All that data will returned back in response.

Budget Blitz for Android sends Intent response with structure

Action = {biz.interblitz.budget{free/pro}.api.response}

Extras:

1. collection - collection name
2. response - JSON response

Parameters method, path, body, collection, response matches REST API. Documentation is available from the Swagger. See more [REST API](#) (page 73).

CHAPTER 20

Difference Between Versions

Table 1: Difference between versions

	Free version	Pro version
Accounting	•	•
Planning	•	•
Reports	•	•
SMS, OFX, CSV import	•	•
Push notifications import	15 per month	•
Additional SMS that confirms transaction and contains pins, passwords, etc import		•
Additional SMS that contains transaction details when transaction has more than one SMS import		•
OFX export		•
Teamwork	Sending data only	•
Remote access	50 transactions	•

Continued on next page

Table 1 – continued from previous page

	Free version	Pro version
Notifications about upcoming payments		•
Reports driven notifications		•
Shortcuts		•
Widgets as reports		•
Automatic backups		•
Backups encryption		•
Support	•	•

Google Play:

Free version

Pro version

CHAPTER 21

Migration to Pro Version

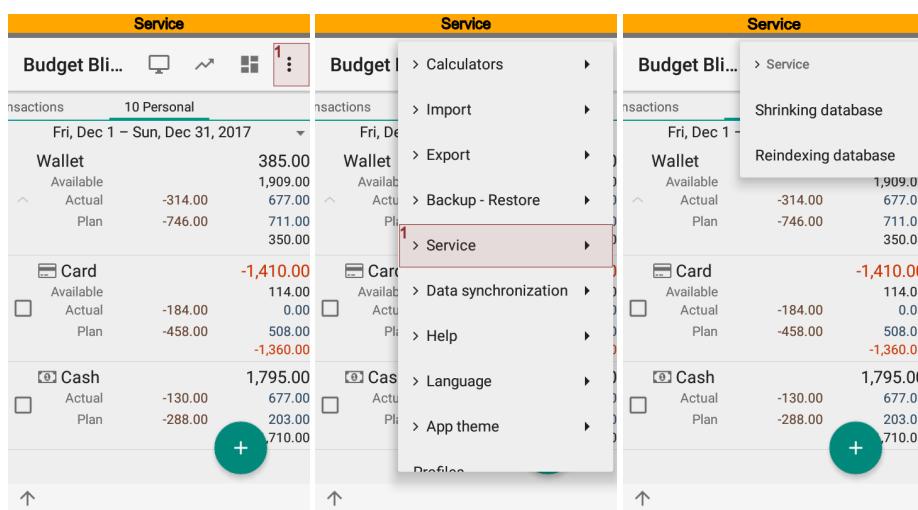
There are two stage of migration, prepare data in old version and loading it into a new one. It is very easy to do.

1. Start Free version;
2. At the main screen press *Actions* → *Export* → *Pro version upgrade*;
3. Start Pro version;
4. At the main screen press *Actions* → *Import* → *Free version data*.

CHAPTER 22

Service

Generally the app Budget Blitz for Android do not need any service. But when you notice the app becomes slower service actions can help.



Shrinking database frees unused space, rebuilds the database file, repacking it into a minimal amount of disk space. This contributes to speed up the app. Shrinking database runs `VACUUM` command.

Shrinking does not affect to files that app contains except database.

Reindexing database is useful when you notice drastic drop in of the app performance. Reindexing runs `REINDEX` command.

Warning: Do not forget making backups, especially before service. Ensure you remember encryption password if you have. Otherwise restoring data could be impossible.

CHAPTER 23

Ready to use Financial Institutes

23.1 Belarus

BPSSberbank
BelVneshEkonomBank
Belagroprombank
Belarusbank
Belgazprombank
Belinvestbank
Belrosbank
MTBank
Priorbank
Houm Kredit Belarus

23.2 Brazil

Banco do Brasil
Ita Unibanco

23.3 Canada

ICICI Bank

23.4 Hungary

CIB BANK

OTP Bank Simple

23.5 India

Central Bank of India

Deutsche Bank

State Bank of India

23.6 Indonesia

Commonwealth Bank

23.7 Maldives

BML

23.8 Poland

Bank Millennium SA

23.9 Russia

AnyBalance

BSGV

KARI CLUB

Modulbank

QIWI

SDMBank

AKIBANK

AMT Bank

Absolyut Bank

Avangard

AyManiBank

AkBars

AlfaBank

BKS BANK

Baltiyskiy Bank

Bank Evropeyskiy

Bank Moskvi

Bank Petrokommerts

Bank Primore
Bank SanktPeterburg
Bank Sovetskiy
Bank Tochka
Bank Transportniy
Bank URALSIB
Bank Finservis
Bankru
BarklaysBank
Belgorodsotsbank
Binbank
VTB
VUZBank
Vneshprombank
Vozrozhdenie Bank
Vostochniy ekspress
Vserossiyskiy bank razvitiya regionov
Vyatkabank
GLOBEKS BANK
GUTA Bank
Gazprombank
Gazprombank Dop karta
Dalnevostochniy Bank
Evroplan
EvrositiBank
Ekaterinburgskiy Munitsipalniy Bank
Zapsibkombank
Investbank
Interkommerts
Interprogressbank
Kedr
Koltso Urala
KreditEvropaBank
Kukuruza
Lipetskombank
LokoBank
MDM Bank
MINBank
MTS bank

Masterbank
Metkombank
Moskovskiy kreditniy
Moskomprivatbank
NB Trast
Nefteprombank
Noviy Simvol
Nomos Bank
OTP Bank
Perviy Respublikanskiy Bank
Pochta Bank
Promsvyazbank
Rayffayzen Bank
Regionalniy bank razvitiya
Roketbank
RosEvroBank
Rosbank
RosselhozBank
Rossiya
RostFinans
Russkiy Standart
SKBBank
SMP Bank
Sberknizhka
Sberbank Rossii
SberbankMaestro Povolzhe
Svyaznoy Bank
SvyazBank
Severgazbank
Sitibank
Sobinbank
Solidarnost
Surgutneftegazbank
TAATTA
Tatfondbank
Tachbank
Tinkoff
TransKreditBank
Trastbank

Ural FD
UralPromBank
UralTransBank
Uralskiy bank rekonstruktsii i razvitiya
FK Otkritie bivsh NOMOSBank
FONDSERVISBANK
HantiMansiyskiy Bank
Houm Kredit
Tsentrinvest
Chelindbank
Chelyabinvestbank
Ekspress
EnergoMashBank
Yuniastrum Bank
Yunikredit Bank
YandexDengi

23.10 Thailand

KASIKORN BANK

23.11 Ukraine

VAB Bank
ABank
AlfaBank
AlfaBank Ukraina
BROKBIZNESBANK
Dongorbank
Ekspresbank
Industrial
KREDOBANK
Mihaylovskiy
OTP Bank
OschadBank
PUMB
Petrokommerts Ukraina
PrivatBank
ProKreditBank

Prominvestbank

Rayffayzenbank Aval

Sberbank Rossii v Ukraine

UkrSibBank

Ukreksmbank

Ukrsotsbank

23.12 United Arab Emirates

Emirates Islamic bank

Emirates NBD

23.13 United States

First National Bank

Guardian Alert General

Pendleton Community Bank

Town Bank

UniBank

23.14 Uzbekistan

Uzcard

23.15 Vietnam

Australia and New Zealand Banking Group

CHAPTER 24

Terms and definitions

contractor Contractor is a payer or payee.

exchange node Exchange node or node is a device used by teamwork member.

split Transaction details are called split. Split has its own category, project and person for each line.

technical category Technical category is category having neither *Revenue* nor *Expense* options.

CHAPTER 25

Indices and tables

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