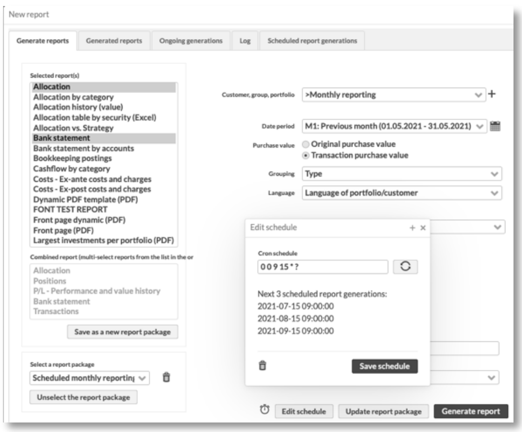
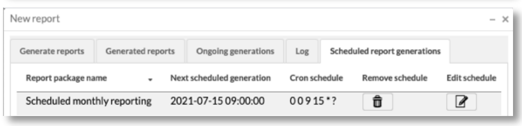
FA Back 3.11

FA Back 3.11 provides you with more options for reporting, allowing you to save more information on your report packages and schedule report generations. In addition, architectural improvements in the background improve the system's ability to automatically scale under increased workload.

Improvements in reporting

Version 3.11 provides you with new tools to tackle your recurring reporting needs more efficiently. You can now save more information on your report packages, schedule your report generations, and browse through a status report from past generations. These improvements allow you for example to schedule monthly reporting to occur automatically once a month with pre-defined parameters.





Report packages including report parameters. When you save a report package in the Report window, the report parameters you define on the right, such as group, dates and language, are now saved along with your package. When using your package, the parameters are pre-filled – this helps you ensure your package is generated with the same parameters, without having to re-define them. You can also *Update report package* with any changes.

Schedule report generations. As a new feature, you now have an option to schedule the generation of a report package. This allows you to instruct the system to automatically generate a report package at pre-defined intervals, using the parameters saved on the package.

Scheduling provides you with new tools for reporting, as you can schedule the system to take care of your recurring reporting tasks. You can for example schedule a monthly report package to be sent via email or published to documents a couple of days after month-end. *Report window* allows you to *Add schedule* for any report package and to define the schedule with cron syntax. You can see next 3 scheduled generations for a package or view all your schedules through *Scheduled report generations*.

Status report from report generation. Along with your reports, you can find *Report_summary.csv* status report on all background generations under *Generated reports*.

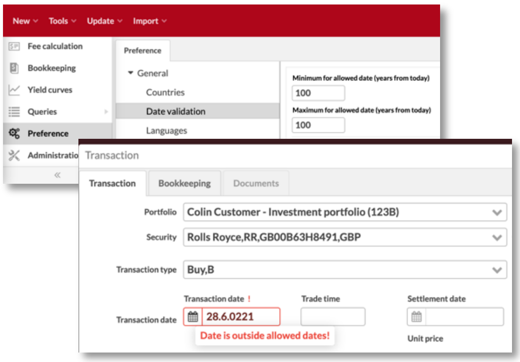
	A	B	E	F	I	K	L	M
1	Successfully created 8 reports out of total 8							
2	Success	Report name	Contact name	Contact id	Start date	End date	Generation date	File extension
3	OK	Monthly report	Ivan Sheerman	030680-375K	01/05/2021	31/05/2021	29/06/2021 11:18	pdf
4	OK	Monthly report	Carla Customer	020280-456B	01/05/2021	31/05/2021	29/06/2021 11:18	pdf
5	OK	Monthly report	Fred Fund	080880-987F	01/05/2021	31/05/2021	29/06/2021 11:18	pdf
6	OK	Monthly report	Ivan Investor	010203-123C	01/05/2021	31/05/2021	29/06/2021 11:18	pdf
7	OK	Monthly report	Isabella Investor	101010-123	01/05/2021	31/05/2021	29/06/2021 11:18	pdf

The status report provides you with details on which reports were generated successfully and which reports failed, allowing you to more easily follow up and get a grasp of the status of your reporting.

Date validation to ensure entered dates are within a reasonable range

Version 3.11 provides you with "sanity checks" to ensure all dates you enter within the system are within a reasonable range. This date validation allows you to avoid errors and typos when entering dates into the system and aims at ensuring you don't accidentally enter data far back in history or far into the future, which might lead to unnecessarily long report recalculations. For example, when intending to enter a transaction for year 2021, you might accidentally type in 0221 or 2201 – with the new date validation, the system would pick up these typos and warn you about your mistake.

Date validation Preferences now allow you to define a *Minimum* and *Maximum for allowed dates* as years from today. By default, the allowed range is set as 100 years from today, ensuring all dates go through a validation. You can adjust the limits for stricter validation or disable the validation all together by removing the limits. Once you've set the allowed dates, all dates you enter in the system are validated – if you try to enter an invalid date, you'll receive an error for *Date is outside allowed dates!*



Note that validation is applied to all date fields in the system – avoid making the validation too strict to ensure your users can import data, search for data, and generate reports for a long enough time!

Extended configurations for tags

Defining tags through Preferences has been cumbersome and prone to errors – it has been easy to accidentally add spaces or line breaks between the comma-separated list of tags, syntax for defining group tags hasn't been intuitive, and it has been hard to see what kind of tags are available. Version 3.11 improves the usability of tag settings and provides new options to control when tags are visible.

Tag Preferences now allow you to easily find the settings for different types of tags, and each of the preferences allows you to easily see all tags you have available in the system. You can manage tags through an easy-to-use form: select whether you want to add a *Standalone* tag, *Single-select group* or *Multi-select group*, define a name for your tag, and the options you want for group tags.

In addition, you can now flexibly control your tags' visibility based on various criteria, including which users can use the tags and which data the tags are visible on. This provides you with tools to ensure only relevant tags are visible for your users –tags with restricted visibility are still available through "hidden tags". Tag Preferences now allow you to *Restrict this tag to be shown to roles* (control a tag's visibility with user roles), or to *Define criteria for when this tag is shown* (control tag's visibility based on characteristics of your data). For example, your reporting tags might be shown to your "customers" with juridical form "private person", or your settlement tags might be visible only for relevant users.

Mapping roles for created users based on linked contact's characteristics

Version 3.11 also introduces extended tools for you to automatically determine a user's role, for example when a user is automatically created in FA based on the user logging in through an external identity provider (such as Signicat). Before, you were able to configure a default role that is always assigned to such users when they log in, but now, you have an option to build decision table rules that set the created user's roles based on user's linked contact's characteristics.

For example, you can automatically assign different roles to your private customers and corporate customers based on user's linked contact's type, or you can use any other contact characteristics to differentiate between your users' roles. In addition, a decision table can automatically set a role to manually created users, and ensures the user's role is updated if contact's characteristics are modified.

Architectural improvements

In addition to the features and improvements highlighted above, version 3.11 introduces architectural improvements. These changes are done in the background and don't change how the system works but aim at allowing FA to automatically scale under increased workload.

Replace GridGain with Redis

GridGain is a technology that we have used for keeping certain things synchronized across the FA Platform. The generation of running numbers for transactions' external IDs is a good example: we need to be careful not to accidentally use the same number for the same contact/portfolio twice. Long story short, we swapped out the technology that we use for these kinds of synchronization needs from GridGain to another open-source technology called Redis. As an FA user, you shouldn't notice this change, except as slightly improved stability of the FA Platform overall.