## **5.12. Creating Custom Reports**

The multiple reports that Streamline offers are designed to provide a comprehensive view of the various facets of your inventory planning and demand forecasting. They can also be created with the help of custom filters. The reports display information from both historical and future perspectives.

A unique feature of Streamline is interactive inventory reports. It means that a report is recalculated on-the-fly as you change its input parameters.

Streamline generates reports on:

- Inventory planning tab
- Interstore optimization tab
- Reports tab.

The **Reports tab** allows the generation of a broad spectrum of reports, including projected, historical, and current state reports on demand and inventory planning activities. Each of the tabs allows for creating custom reports. The Inventory Planning and Inter-store optimization tabs generate custom reports using filters. The Reports tab, besides filters, provides additional tools for customization like:

- aggregation the report by its rows and columns;
- overriding the report; and
- changing the report representation units.

You can also combine the capabilities, for example, override the Final forecast report at an aggregated level and generate an ordering plan based on those overrides.

Below, we show how to create custom reports with examples.

## **Custom Reports in 'Reports' Tab**

We use the Inventory Planning by Month built-in example to demonstrate the capabilities. To create a custom report in the Reports tab: 1. Select the required report type from the Report drop-down (see figure below). For our example, we choose the **Ordering plan** option.

New 👻	$\sim$	Open	Save 👻	C <sup>Upd</sup>	late data 🔻 Last updated	on Oct 1, 2020								
	1	T+ New filter	All items											
	Q	Search	Settings	Report	KPIs ~	Aggregate by N	one 🗸 🖥 Exp	ort report 🔻 Show	columns 🖕					
Start		Approval	Status	Item ca	Demand forecast Forecast overrides Forecast performance Confidence limits	Item code	Description	Supplier	Model type	Model quality	Slope	ABC analysis	Inventory value	Days of supply
Demand	1	Unapproved	Undecided	Pharma	Planned vs actual sales Ordering plan	05-T48	Cold & Flu Tablets [s	56892-P	Seasonal &	75%	1.8%	C 0.715%	248,972.25	57
Ð	2	Unapproved	Undecided	Consum	Projected revenue Projected sales prices	1866-MB	Desk [linear trend m	125689	Constant le	85.2%	0%	B 3.07%	299,579.17	19
Inventory	3	Unapproved	Undecided	Fashion	Projected inventory Projected write-offs	004652 Blue	Swimwear [seasonal	5612457	Seasonal &	74.9%	1.8%	B 5.14%	361,563.54	14
Ē	4	Unapproved	Undecided	Fashion	Projected stockouts Expected to receive	004662 Blue	Swimwear #2 new[n	5612457	Seasonal &	11.4%	1.8%	C 0.581%	889,340.21	38
E Reports	5	Unapproved	Undecided	Consum	Expected to ship Historical revenue	45645-RP	Radio player Silver [I	125689	Constant le	85.2%	0%	B 4.94%	954,945.51	38
L s.t	6	Unapproved	Undecided	Consum	Historical stock on hand Historical stockout days	46689-PC	Computer [seasonal	125689	Seasonal &	87.6%	0%	A 39%	5,254,25	34
<b>Jil</b> Dashboard	7	Unapproved	Undecided	Food/B		56213-P	Milk Chocolate Bar P	425687	Seasonal &	74.9%	1.8%	C 1.28%	240,360.10	35
	8	Unapproved	Undecided	Food/B		056329 N PW	Bottle water #2 new	425687	Seasonal &	75%	1.8%	C 0.0839%	13,069.19	37

2. Optionally, you can filter the selected report by any columns of the header section. Filters allow you

to show items satisfying given criteria. In our example, we would like to see items of the **Consumer goods** industry with forecast status **Approved**. To do this, we click the **New filter** button and configure the filter dialog as shown in the figure below.

Filter						—		ו	×
Consume	er good	ds							
		Item category	$\sim$	=	$\sim$	Pharmacies	$\sim$	×	^
AND	$\sim$	Approval	~	=	~	Approved	$\sim$	×	
AND	$\sim$		~	=			~	×	
AND	$\sim$		~	=			~	$\times$	
AND	$\sim$		~	=			~	$\times$	
AND	$\sim$		~	=			~	×	
AND	$\sim$		~	=			~	×	~
						Clear OK		Cance	el

The result is shown in the figure below.

New 🗸	1	Open	😫 Save 🔻	CUp	date data 🔻 Last upd	ated on Oct 1, 2020								
_		T+ New filter	All items											
	Q	Search	Settings	Report	KPIs	✓ Aggregate by M	lone 🗸 🖪 Exp	ort report 🔻 Show	w columns 🖕					
Start		Approval	Status	Item ca	Demand forecast Forecast overrides Forecast performance Confidence limits	Item code	Description	Supplier	Model type	Model quality	Slope	ABC analysis	Inventory value	Days of supply
Demand	1	Unapproved	Undecided	Pharma	Planned vs actual sales Ordering plan	05-T48	Cold & Flu Tablets [s	56892-P	Seasonal &	75%	1.8%	C 0.715%	248,972.25	57
Ð	2	Unapproved	Undecided	Consun	Projected revenue Projected sales prices	1866-MB	Desk [linear trend m	125689	Constant le	85.2%	0%	B 3.07%	299,579.17	19
Inventory	3	Unapproved	Undecided	Fashion	Projected inventory Projected write-offs	004652 Blue	Swimwear [seasonal	5612457	Seasonal &	74.9%	1.8%	B 5.14%	361,563.54	14
L-A	4	Unapproved	Undecided	Fashion	Projected stockouts Expected to receive	004662 Blue	Swimwear #2 new[n	5612457	Seasonal &	11.4%	1.8%	C 0.581%	889,340.21	38
Reports	5	Unapproved	Undecided	Consun	Expected to receive Expected to ship Historical revenue	45645-RP	Radio player Silver [l	125689	Constant le	85.2%	0%	B 4.94%	954,945.51	38
	6	Unapproved	Undecided	Consun			Computer [seasonal	125689	Seasonal &	87.6%	0%	A 39%	5,254,25	34
<b>Jil</b> Dashboard	7	Unapproved	Undecided	Food/B	Historical turnover KPIs	56213-P	Milk Chocolate Bar P	425687	Seasonal &	74.9%	1.8%	C 1.28%	240,360.10	35
Cashaodra	8	Unapproved	Undecided	Food/B		056329 N PW	Bottle water #2 new	425687	Seasonal &	75%	1.8%	C 0.0839%	13,069.19	37

	<b>T</b> + New filter	All items C	onsumer goods $\times$											
Start	Q Search	Settings	s 🐴 Edit filter 🔻	Report Orderin	g plan 🗸 Quan	tity $$	None	Export re	port 🔻	Show columns				
	Approval	Item category	Item category 2	Item code	Description	Supplier	Model type	Model quality	Slope	ABC analysis	Jan 2020	Feb 2020	Mar 2020	Apr 2020
Demand	1 Approved	Pharmacies	Pharmacies	05-T48	Cold & Flu Tablets [s	56892-P	Seasonal &	75%	1.8%	C 0.715%	6,310	8,670	14,380	13,870
Ð	2 Approved	Pharmacies	Pharmacies	VB2166 150	Vital Blue 150 g Vita	56892-P	Seasonal &	75%	1.8%	C 1.04%	21,110	8,670	14,370	13,880
Inventory	3 Approved	Pharmacies	Pharmacies	VR2156 200	Vital Reds 200g Vita	56892-P	Constant le	85.2%	0%	C 0.577%	6,160	4,600	5,220	4,810
Reports														
<b>Lill</b> Dashboard														

## 3. Let's aggregate the report by the Item Category column and change the representation unit to

Value (see figure below).

	T+ New filter	All items Co	onsumer goods	×												
	Q Search	Settings	T <sub>+</sub> Edit filter	<ul> <li>Report Orde</li> </ul>	ring plan	~	Value V A	ggregate by	Item category	- 🗸 🖥 Exp	oort report	Show colum	ins 🖕			
Start	Annenal	ltone entrener	ltern code	Madal quality	Classe						Ordering	plan, value				
~	Approval	Item category	Item code	Model quality	Slope	Jan 2020	Feb 2020	Mar 2020	Apr 2020	May 2020	Jun 2020	Jul 2020	Aug 2020	Sep 2020	Oct 2020	Nov 202
Demand	1 Approved	Pharmacies	3 items	78.4%	1.2%	511,336.19	312,848.60	474,661.29	454,022.39	568,790.79	640,452.99	498,778.29	488,945.19	312,361.80	230,178.50	212,462.5
Reports																

4. Optionally, you can hide/show particular columns in your reports using the **Show columns** button. Let's hide the Approval state and Model quality columns (see figures below).



5. Finally, let's export the report to Excel by clicking the Export report button (see figure below).

Ŀ	New 🔻		Open	Save	C Upd	ate data		ed on Oct 1, 2020									
			r+ New filter	All items													
		Q	Search	🗘 🌣 Sett				Aggregate by M	lone	V 🖥 Expo	rt report 🔻 Show	w columns 🖕					
	Start		Approval	Status	Item ca	Forecas Forecas	forecast t overrides t performance nce limits	Item code	Des	cription	Supplier	Model t	ype Model qua	lity SI	ope ABC analysis	Inventory value	Days of supp
	emand	1	Unapproved	Undecided	Pharma		vs actual sales	05-T48	Cold & FI	u Tablets [s	56892-P	Seasonal	8 75%	1.8	% C 0.715%	248,972.25	57
	1	2	Unapproved	Undecided	Consum	Projecte	d revenue d sales prices	1866-MB	Desk [line	ar trend m	125689	Constant	le 85.2%	0%	B 3.07%	299,579.17	19
	ventory	3	Unapproved	Undecided	Fashion	Projecte	d inventory d write-offs	004652 Blue	Swimwea	r [seasonal	5612457	Seasonal	8 74.9%	1.8	% B 5.14%	361,563.54	14
	<b>₽</b>	4	Unapproved	Undecideo	Fashion	Projecte	d stockouts	004662 Blue	Swimwea	r #2 new[n	5612457	Seasonal	8 11.4%	1.8	% C 0.581%	889,340.21	38
	eports	5	Unapproved	Undecided	Consum	Expected		45645-RP	Radio pla	yer Silver [l	125689	Constant	le 85.2%	0%	B 4.94%	954,945.51	38
		6	Unapproved	Undecideo	Consur	Historica	I stock on hand	46689-PC	Computer	r [seasonal	125689	Seasonal	8 87.6%	0%	A 39%	5,254,25	34
	shboard	7	Unapproved	Undecided	Food/B		l turnover	56213-P	Milk Choo	olate Bar P	425687	Seasonal	8 74.9%	1.8	% C 1.28%	240,360.10	35
		8	Unapproved	Undecideo			Water	056329 N PW	Bottle wa	ter #2 new	425687	Seasonal	8 75%	1.8	% C 0.0839%	13,069.19	37
			в		с			D		Е	F	F	G		н	1	
Τ											Orderi	ng plan	value				
(	Grou	р			Item co	ode	Descript	ion		Supplie	r Dec 20	18	Jan 2019		Feb 2019	Mar 20	19
L	Build	lin	g materi	als and	3 item	5					1044.	450007	103.949	996		69.299	9980
2	Spor	tin	g goods		B05465	i-R	Basketb	all 29.5 (s	ize 7) [	3850	838.	200016	2179.320	042		2179.3	2004
8	Elect	ror	nics		45645-	RP	Radio pl	ayer Silve	er (inte	3850	965.7	999878					
1	Furni	itu	re		3 item	5					29222	2.71069	109806	403		46801	1.701

## **Custom Inventory Reports**

As we mentioned, Streamline displays inventory reports on the **Inventory planning, and Interstore optimization** tabs. This section shows how to create a custom inventory report using the Material Requirements Planning example in the **Inventory planning** tab. Customized reports on the other tabs are made in the same way.

Let's create two reports:

- *Material requirements plan* shows a purchase plan for materials and intermediate items according to the demand forecast of finished items and replenishment parameters.
- *Manufacturing plan* shows an ordering plan for *finished* and *intermediate* items that should be manufactured to cover the demand forecast.

To accomplish this, we will use filters.

To create a report representing *Material requirements plan*, we click the **New filter** button. This opens the **Filter** dialog.

The result is shown in the figure below.

		T+ New filter	All items Mater	rial requirements	plan ×												
	C	2 Search	Settings	🗛 Edit filter 🔻	💀 In transition 🛛 🗰 Expe	ort table 🔻 🖺	Export para	meters 🖥	Import par	rameters	▼ 〒 Planne	ed orders	Containers ar	nd groups	Show colu	mns 🖕	
Start		Item category	Item category 2	Item code	Description	Item type	On hand	Available max build		To ship	To receive	Lead time, days	Order cycle, months	Min lot	Rounding	Service level, %	
Demand	1	Materials	Food/Beverages	1866-MB-R	Raisins white [materi	Material	628	-	31	0	0	30	1			98%	0
Î	2	Materials	Food/Beverages	1866-MB-R	Raisins black [materi	Material	150	_	30	0	0	30	1			98%	0
Inventory	3	Materials	Food/Beverages	500461	Milk Chocolate bar 2	Material	8,340	_	5	2,000	0	30	1			98%	1,966
	4	Materials	Food/Beverages	1866-MB-RO	Rolled oats [material]	Material	1,175	_	32	0	0	30	1			98%	0
E Reports	5	Materials	Food/Beverages	1866-MB-WB	Wheat bran [material]	Material	2,750	_	42	0	0	30	1			98%	0
1	6	Materials	Food/Beverages	1866-MB-OB	Oat bran [material]	Material	3,320	-	59	0	0	30	1			98%	0
ashboard	7	Materials	Food/Beverages	1866-MB-CW	Chopped walnuts [m	Material	293	-	32	0	0	30	1			98%	0

To create a report showing *Manufacturing plan*, we click the **New filter** button again and configure the **Filter** dialog as shown in the figure below.

lter						$ \Box$ >
Manufac	turing	plan				
		Item type	$\sim$	= ~	Finished	~ × ×
AND	$\sim$	Order type	~	= ``	Manufacture	~ X
AND	~~~		~	= \		~ X
AND	$\sim$		~	= \		~ X
AND	$\sim$		~	= \		~ X
AND	$\sim$		~	=		~ X
AND	~~~		~	= \		✓ ×
					Clear	OK Cancel

5/5

The result is shown in the figure below.

	T+ New filter	All items Manu	facturing plan	×												
	Q Search	Settings	🕇 Edit filter 👻	💀 In transition 🔲 Exp	ort table 🔻 🖪	Export para	ameters	Import par	ameters	▼ 🐺 Planne	d orders 🔳	Containers ar	d groups	Show colu	mns 🖕	
Start	Item category	Item category 2	Item code	Description	Item type	On hand	Available max build	Days of supply	To ship	To receive	Lead time, days	Order cycle, months	Min lot	Rounding	Service level, %	
Demand 1	1 Finished	Food/Beverages	56213-P	Milk Chocolate Bar P	Finished	4,525	634	26	0	2,400	5	-			98%	1,989
Reports																

Next: ABC Analysis

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