

INTRODUCTION

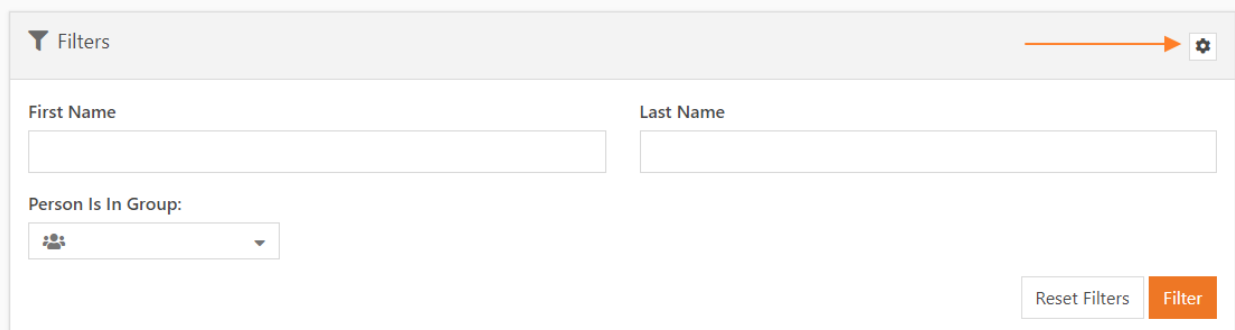
The Page Parameter Filter plugin adds a block that allows you to more easily filter dynamic data reports and dashboards by allowing you to create your own custom filters and pushing them to the query string, where your dynamic data code can access them.

BLOCK

After you have installed the Page Parameter Filter plugin, you should now have access to the Filter By Page Parameters block under BEMA Services > Reporting Tools:

ADDING FILTERS

When you first add the block to the page, there will be no filters loaded on it. To add filters, click the gear in the upper right hand corner.



You'll be presented with a page like the ones used for person, workflow and group attributes where you can add, edit, order, and remove your filters. Simply add and order some just like you would do there. Once you're done, hit the 'Close' button to exit back to the normal view.

Filter Settings +

Name	Description	Filter Type	Default Value
☰ First Name		Text	✎ 🔒 ✖
☰ Last Name		Text	✎ 🔒 ✖
☰ Person Is In Group:		Group	✎ 🔒 ✖

3 filters

+

Close

BUILDING REPORTS USING FILTERS

You now have your filters set up, so it's time to add filtering to your report. We'll take a look at an example report below that lists people and the names of groups they are members of:

```

Select p.Id, p.FirstName ,p.LastName,
      STUFF((
        SELECT ', ' + g.Name
        FROM GroupMember gm
        Join [Group] g on g.Id = gm.GroupId
        Where gm.PersonId = p.Id
        FOR XML PATH('')
      ), 1, 1, '') as 'Groups Person Is In'
From Person p

```

Filters
⚙️

First Name

Last Name

Person Is In Group:

👤
▼

Reset Filters
Filter

Filter Options ▼
⌵
📄

Id	First Name	Last Name	Groups Person Is In
1	Admin	Admin	RSR - Rock Administration, Relationships, Peer Network, Admin, Relationships, Relationships, RSR - Data Integrity Worker
2	Giver	Anonymous	Anonymous Family
36	Philip	Coffee	Coffee Family, Greggs Group

Now, when you use the Filter by Page Parameters block, it'll navigate to the same page it's on, both with your filters added to the query string. For example, if this report was on page <http://rock.organization.com/page/542>, then after searching for Last Name 'Decker' and hitting the filter you would be navigated to page <http://rock.organization.com/page/542?LastName=Decker>.

To filter our report on these filters, then, we'll be grabbing them from the query string like so:

```

Declare @FirstName nvarchar(max) = '{{ 'Global' | PageParameter:'FirstName' | SanatizeSQL }}';
Declare @LastName nvarchar(max) = '{{ 'Global' | PageParameter:'LastName' | SanatizeSQL }}';
Declare @GroupGuid nvarchar(max) = '{{ 'Global' | PageParameter:'Group' | SanatizeSQL }}';
Select p.Id, p.FirstName, p.LastName,
    STUFF((
        SELECT ', ' + g.Name
        FROM GroupMember gm
        Join [Group] g on g.Id = gm.GroupId
        Where gm.PersonId = p.Id
        FOR XML PATH('')
    ), 1, 1, '') as 'Groups Person Is In'
From Person p
Where ( @FirstName = '' or p.FirstName = @FirstName)
And ( @LastName = '' or p.LastName = @LastName)
And ( @GroupGuid = '' or Exists(
    Select gm.Id
    from GroupMember gm
    Join [Group] g on gm.GroupId = g.Id and
convert(nvarchar(max),g.Guid) = @GroupGuid
    Where gm.PersonId = p.Id
    )
)

```

Now, if we filter on all the people in the Decker Group with a last name of Marble, this is what we'll get:

Filters ⚙️

First Name

Last Name

Person Is In Group:

Filter Options ⌵ 📄 📄

Id	First Name	Last Name	Groups Person Is In
16	Alisha	Marble	Marble Family, Decker Group, Alisha Marble's Group, Marble Group, RSR - Finance Administration, RSR - Prayer Administration, RSR - Prayer Access, RSR - Rock Administration, RSR - Staff Workers, WEB - General Editor, RSR - Background Check Administration, RSR - Connection Administration
17	William	Marble	Marble Family, Decker Group, Marble Group

50 500 5,000 2 Items

📄 📄

And that's it! You're now set to go and add filters to all your dynamic dashboards, reports, and anything else!