

# PSBlueSky Help<sup>1</sup>

<https://jdhitsolutions.github.io>

v2.2.0

<sup>1</sup><https://github.com/jdhitsolutions/PSBluesky>

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# PSBluesky



This module is a set of PowerShell functions designed to let you interact with Bluesky API from PowerShell. Technically, the module commands are wrappers around the [AT protocol](#). The module is written for **PowerShell 7**, although it might work as written in Windows PowerShell with minimal changes if you wish to fork the GitHub repository. Commands *have not* been thoroughly tested for cross-platform compatibility, so please post an Issue if you encounter a problem.

The commands in this module are **not** intended to provide complete coverage of the Bluesky API or user experience. Instead, the module focuses on the most common tasks you might want to do with Bluesky from a PowerShell prompt.

For best results, you should run this module in a PowerShell console that supports emojis and ANSI formatting like Windows Terminal.

## Installation

You can install the module from the PowerShell Gallery.

```
Install-Module -Name PSBluesky
```

Or using Install-PSResource from the [Microsoft.PowerShell.PSResourceGet](#) module.

```
Install-PSResource -Name PSBluesky -Repository PSGallery -TrustRepository
```

You might want to also install the following modules or related modules to securely store your Bluesky credentials:

- [Microsoft.PowerShell.SecretManagement](#)

- [Microsoft.PowerShell.SecretStore](#)

After installing this module, you should end up with these PSBluesky commands:

- [Add-BskyImage](#)
- [Find-BskyUser](#)
- [Get-BskyAccountDID](#)
- [Get-BskyBlockedList](#)
- [Get-BskyBlockedUser](#)
- [Get-BskyFeed](#)
- [Get-BskyFollowers](#)
- [Get-BskyFollowing](#)
- [Get-BskyLiked](#)
- [Get-BskyModuleInfo](#)
- [Get-BskyNotification](#)
- [Get-BskyProfile](#)
- [Get-BskySession](#)
- [Get-BskyTimeline](#)
- [New-BskyPost](#)
- [Open-BskyHelp](#)
- [Publish-BskyPost](#)
- [Start-BskySession](#)
- [Update-BskySession](#)

After importing the module you can run `Open-BskyHelp` which will open a PDF version of this document in the default application associated with PDF files. Or you can use the `-AsMarkdown` parameter to read this file using markdown formatting. Not all markdown features may properly render in the console.

You can use `Get-BskyModuleInfo` to get a summary of the module. The default output includes clickable links to online command help and the module's GitHub repository.

```
PS C:\> Get-BskyModuleInfo
```

Name	Alias	Synopsis
Add-BskyImage		Upload an image to Bluesky.
Find-BskyUser	bsu	Search <a href="#">for</a> Bluesky user acco ...
Get-BskyAccountDID		Resolve a Bluesky account na ...
Get-BskyBlockedList	bsblocklist	Get your subscribed blocked ...
Get-BskyBlockedUser	bsblock	Get your blocked accounts.
Get-BskyFeed	bsfeed	Get your Bluesky feed.
Get-BskyFollowers	bsfollower	Get your Bluesky followers.
Get-BskyFollowing	bsfollow	Get a list of Bluesky account ...
Get-BskyLiked		Get your liked Bluesky posts.

Get-BskyModuleInfo		Get a summary of the PSBlueSk ...
Get-BskyNotification	bsn	Get Bluesky notifications.
Get-BskyProfile	bsp	Get a Bluesky profile.
Get-BskySession	bss	Show your current Bluesky ses ...
Get-BskyTimeline	bst	Get your Bluesky timeline.
New-BskyPost	skeet	Create a Bluesky post.
Open-BskyHelp	bshelp	Open the PSBluesky help docum ...
Publish-BskyPost	Repost-BskyPost	Repost or quote a Bluesky post
Start-BskySession		<a href="#">Start</a> a new Bluesky session.
Update-BskySession	Refresh-BskySession	Refresh the Bluesky session t ...

## Authentication

### Session and Tokens



In order to send data, you must authenticate. Version 2.0.0 of this module introduces a new session model. After you import the module, you **must run** `Start-BskySession` to initialize the module and setup module-scoped variables.

```
Start-BskySession -credential $cred
```

The credential should be a `PSCredential` object representing your Bluesky username (handle) and password. (See *below*)

This command will create a hidden session object that will be called from other module commands to get the necessary authentication token for the `Invoke-ResetMethod` header. The access token has a limited lifetime unless it is refreshed. Beginning with version 1.2.0, the module will refresh the token every 15 minutes through a background runspace using a synchronized hashtable. If you remove the module, the runspace will be removed as well.

Run `Get-BskySession` to see your current session information.

```
PS C:\> Get-BskySession
```

```
User: jdhitsolutions.com
```

Active	AccessToken	RefreshToken	Age
True	eyJ0eXAiOiJhdCtqd3Qi ...	eyJ0eXAiOiJyZWZyZXNo ...	00:05:41.5115796

If you want to manually test the Bluesky API in your own code, you can use the access and refresh token properties from this object.

```
PS C:\> $bskySession = Get-BskySession
PS C:\> $access = $bskySession.AccessToken
PS C:\> $refresh = $bskySession.RefreshToken
```

However, it is still possible you will encounter an expired token error message. If you do, you can run `Update-BskySession` to refresh the token.

`Get-BskySession` | `Update-BskySession`

If this also fails, remove the module, re-import and start a new Bluesky session, including re-running `Start-BskySession`.

## Credentials

You will need to create a `PSCredential` object with your Bluesky username and password. **The username is case-sensitive.** For automation purposes, you can use the Secrets management module to store your credential. Write your own code to retrieve the credential and pass it to the module commands.

You might want to use `PSDefaultParameterValues` to set the credential for all commands.

```
$PSDefaultParameterValues['*-Bsky*:Credential'] = $BlueskyCredential
```

You should only need this credential for `Start-BskySession`.

**This module does not use 2FA at this time. You must use an app password.**

## App Passwords

While this module does not use your credential object for anything other than establishing a Bluesky session, you may elect to take a more secure approach and use an app password. This password can be revoked at any time without affecting your main account password. Follow these steps if you want to use an app password with this module.

In the Bluesky app, go to your profile and select `Settings`. Then select `App Passwords`.

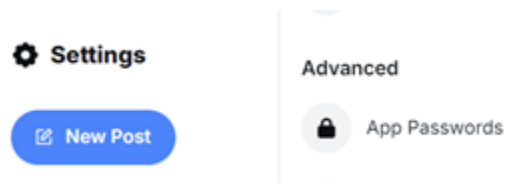
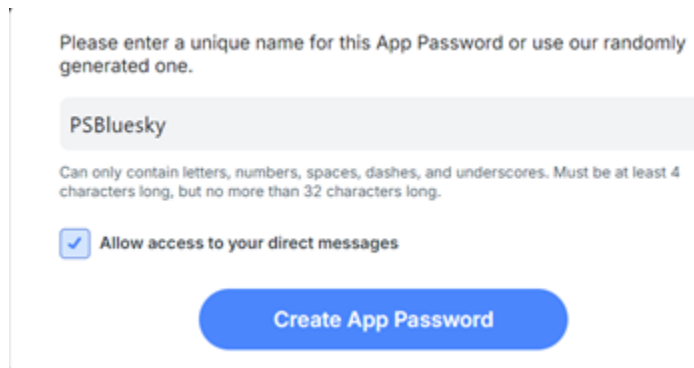


Figure 1: Bluesky app passwords

You will need to create a new app password. Give it a meaningful name.



Please enter a unique name for this App Password or use our randomly generated one.

PSBluesky

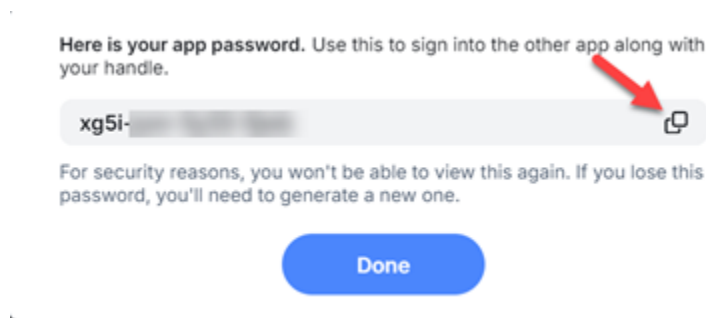
Can only contain letters, numbers, spaces, dashes, and underscores. Must be at least 4 characters long, but no more than 32 characters long.

☒ Allow access to your direct messages

Create App Password

Figure 2: Bluesky creating an app password

Click the button to create the app password.



Here is your app password. Use this to sign into the other app along with your handle.

xg5i- [REDACTED]

For security reasons, you won't be able to view this again. If you lose this password, you'll need to generate a new one.

Done

Figure 3: Bluesky app password

You will only see the password once. Copy the password and save it in a secure location such as a secrets management vault.

Next, you need to create a credential object in PowerShell. The user name will be the DID (decentralized identifier) for your account. The password will be the app password you just created. You can run `Get-BskyAccountDID` to get your DID. This command does not require authentication.

```
$did = Get-BskyAccountDID jdhitsolutions.com
```

Now you can create a credential object.

```
PS C:\> $cred = Get-Credential $did
```

PowerShell credential request

Enter your credentials.

Password for user did:plc:ohgsqpfsbocaaxusxqlgfvd7:

Enter the app password. You will use this credential object with `Start-BskySession`. I recommend you save the credential in a secrets management vault and retrieve it when you need to start a Bluesky session.

```
$cred = Get-Secret -Name PSBlueskyCredential
$PSDefaultParameterValues['*-Sky*:Credential'] = $cred
```

You can revoke an app password at any time. If you do, you will need to create a new app password and update your credential object.



**I recommend you use an app password with this module and protect your primary account password. If your Bluesky account is protected with 2FA, you *must* use an app password with this module.**

## Rate Limits

The commands in this module use the public Bluesky API which means there are [rate limits](#). If you exceed the rate limit, you will get an error message. You will need to wait until the rate limit resets.



There is a rate limit of 300 new sessions per day. This shouldn't be an issue for most people unless you are testing code or running some sort of high-volume automation.

## Posting



Use `New-BskyPost`, or its alias `skeet`, to post a message to Bluesky. There are parameters to include an image. If you include an image, the `New-BskyPost` command will call `Add-BskyImage` to upload the image. It is **strongly recommended** that you included ALT text for the image.

```
$param = @{
    Message      = "Getting close to sharing my #PowerShell Bluesky code."
    ImagePath    = "C:\work\MsPowerShell.jpg"
    ImageAlt     = "Ms. PowerShell"
    Verbose      = $true
}
New-BskyPost @param
```

The output is a URL to the post.

If your message contains a URL, it will be converted to a clickable link. Make sure your link is surrounded by white space. Beginning with v1.0.0, you can post Markdown



style links.

```
PS C:\> $m = "Testing multiple Markdown style links from my [#PowerShell PSBluesky module](https://github.com/jdhitsolutions/PSBluesky) which you can find on the [PowerShell Gallery](https://www.powershellgallery.com/packages/PSBlueSky/0.6.0)"
PS C:\> skeet $m
```



Jeff Hicks @jdhitsolutions.com · 13m

Testing multiple Markdown style links from my [#PowerShell PSBluesky module](#) which you can find on the [PowerShell Gallery](#)



Figure 4: Markdown links in a Bluesky post

This example is using the `skeet` alias for `New-BskyPost`.

## Reposting and Quoting

You can repost or quote a Bluesky post with `Publish-BskyPost`. You will need the CID and AT Uri (URI) of the post you want to repost or quote. These values should be part of items you can get with commands like `Get-BskyFeed` or `Get-BskyTimeline`.

```
PS C:\> Get-BskyTimeline -Limit 1 | Select-Object *

Author       : joeydantoni.com
AuthorDisplay : Joey D'Antoni
Date         : 1/9/2025 12:11:13 PM
Text         : I would likely denormalize the data a little bit, and
              have a non-vector table with ref. data like date that
              you could filter on, before doing the heavier lifting
              of the vector query. Almost like a fact/dim join in a
              DW. learn.microsoft.com/en-us/sample... cc
              @mauridb.bsky.social for a better example
Liked        : 0
Reposted     : 0
Quoted       : 0
URL          : https://bsky.app/profile/did:plc:3dvxs53kzjez5oxcbucfsa
              cf/post/3lfd6cfv7hs2o
URI          : at://did:plc:3dvxs53kzjez5oxcbucfsacf/app.bsky.feed.post
              /3lfd6cfv7hs2o
CID          : bafyreih7yplygqrno2n3n5mhqs35fbwqovxsvc6xrictt4afzgnwrt7
```

The easiest way to repost or quote a post is to pipe the object to Publish-BskyPost.

```
PS C:\> $tl[-1] | Publish-BskyPost -Verbose -WhatIf
VERBOSE: [12:14:47:7437 BEGIN ] Publish-BskyPost-> Starting PSBluesky module command
VERBOSE: [12:14:47:7440 BEGIN ] Publish-BskyPost-> Running under PowerShell version 7.4.6
VERBOSE: [12:14:47:7442 BEGIN ] Publish-BskyPost-> Using PowerShell Host ConsoleHost
VERBOSE: [12:14:47:7464 BEGIN ] Publish-BskyPost-> Running under Operating System Microsoft Windows 10.0.26100
VERBOSE: [12:14:47:7466 BEGIN ] Publish-BskyPost-> Using module PSBluesky version 2.2.0
VERBOSE: [12:14:47:7470 PROCESS] Publish-BskyPost-> Reposting the message with AT Uri at://did:plc:nsy2e4vupxndly4adhszebcy/app.bsky.feed.post/3lfbhddas6s25
What if: Performing the operation "Publish to Bluesky" on target "at://did:plc:nsy2e4vupxndly4adhszebcy/app.bsky.feed.post/3lfbhddas6s25".
VERBOSE: [12:14:47:7476 END ] Publish-BskyPost-> Ending PSBluesky module command
PS C:\>
```

Figure 5: Reposting a Bluesky post

This example assumes that `$tl` is an array of objects from `Get-BskyTimeline`. If you don't specify a quote, the command will repost the original message. If you do specify a quote, the command will quote the original message.

```
$f[-4] | Publish-BskyPost -Quote "Testing quoting with a PSBluesky command"
```

## Profiles

The module has a command to retrieve a Bluesky profile.

```
Get-BskyProfile jdhitsolutions.com
```

The module uses a custom format file.

```
PS C:\> Get-PSBlueskyProfile jdhitsolutions.com

Jeff Hicks [jdhitsolutions.com]

PowerShell Author/Teacher/MVP/Guide 🍌
Prof. PowerShell Emeritus 🍷
Grizzled and grumpy IT Pro - https://jdhitsolutions.github.io/
🎵 Amateur composer - https://musescore.com/user/26698536
Wine drinker 🍷🍷 and dog lover 🐕

Created          Posts  Followers  Following  Lists
-----
5/21/2023 2:44:48 PM  533      317        172        0
```

Figure 6: A Bluesky user profile

The user's profile name should be a clickable link.

The object has been customized with aliases and script properties.

```
PS C:\> $jeff = Get-BskyProfile
PS C:\> $jeff | Select-Object *
```

Username : [jdhitsolutions.com](https://jdhitsolutions.com)  
Display : Jeff Hicks  
Created : 5/21/2023 10:44:48 AM  
Description : PowerShell Author/Teacher/MVP/Tour Guide ☐  
Prof. PowerShell Emeritus ☐  
Grizzled and grumpy IT Pro - <https://jdhitsolutions.github.io/>  
☐Amateur composer - <https://musescore.com/user/26698536>  
Wine drinker ☐☐ and dog lover  
Avatar : <https://cdn.bsky.app/img/avatar/plain/did:plc:ohgsqpfsbocaaxusxqlgfvd7/bafkreifdfahcjmytu3iw2aj2d3howu6q7twkta3h23qmlve2d2mvo5sily@jpeg>  
Posts : 1060  
Followers : 1904  
Following : 383  
Lists : 2  
URL : <https://bsky.app/profile/jdhitsolutions.com>  
DID : did:plc:ohgsqpfsbocaaxusxqlgfvd7  
Name : [jdhitsolutions.com](https://jdhitsolutions.com)  
Age : 596.06:49:09.1731955



## Followers

You can retrieve a list of your followers. You can specify a number of followers between 1 and 100. The default is 50.

```
Get-BskyFollowers -Limit 2
```

```
PS C:\> Get-PSBlueskyFollowers -Limit 2
```

<u>Display</u>	<u>Username</u>	<u>Description</u>
Jonathan Lank	<a href="https://jpluk.bsky.social">jpluk.bsky.social</a>	
Libby Brown	<a href="https://trubludevill.bsky.social">trubludevill.bsky.social</a>	Product manager @ SpruceID. Mom. Digital Wallet and Passl

Figure 7: Bluesky followers

The custom formatting includes a clickable link to the follower's profile if running in Windows Terminal or a console that supports hyperlinks.

You can pipe the follower object to `Get-BskyProfile` to retrieve more information.

```
PS C:\>$f= Get-BskyFollowers
PS C:\> $f[12] | Get-BskyProfile
```

Jess Pomfret [[jpomfret.bsky.social](#)]

Database Engineer with a passion for automation, proper football and fitness. She/Her.

Created	Posts	Followers	Following	Lists
8/14/2023 3:58:44 PM	125	236	157	1

The default behavior is to retrieve between 1 and 100 followers. Or you can use the `-All` parameter to retrieve all followers.

## Searching for Users

You can search for Bluesky users with `Find-BskyUser`. The default behavior is to search for a user by name. The search is case-insensitive.

```
Find-BskyUser -UserName "jeff h" -Limit 3
```

The default output includes clickable links to the user's profile. This object too has been customized with aliases and script properties.

```
PS C:\> Find-BskyUser -UserName "jeff h" -Limit 3 |
Select-Object *Name,Description,Created,Age
```

DisplayName : Jeff (no, the other one)

UserName : [jeff-notheotherone.bsky.social](#)

Description : When I use a word, Humpty said, it means just what I choose it to mean – neither more nor less.

The question is, said Alice, whether you can make words mean so many different things.

H: The question is which is to be Master – that's all.

Created : 8/11/2023 6:27:08 AM

Age : 514.11:04:04.2416645

DisplayName : F-O Loignon

UserName : [foloignon.bsky.social](#)

Description : « Un p'tit gosseux » – MBC

« Une caricature » – H. Buzetti  
« L'osti de tapette communiste woke » – Un pirate

Je suis pas mal l'amalgame de tout ce que Jeff Fillion haït :  
prof, artiste, écolo, socialiste, LGBT, féministe, antiraciste,  
intello, etc.

Created : 10/5/2023 8:09:28 PM

Age : 458.21:21:43.9869033

DisplayName : Jeff H

UserName : jhorowitzmd.bsky.social

Description : Division Chief of Pulm, Crit Care and Sleep Med at OSU. Lung  
fibrosis investigator. Cubs. Star Wars, GoT, LoTR, Avengers. Dad,  
husband, son and brother. RT's do not mean endorsement.  
#horoblast.

Created : 11/13/2024 6:53:06 AM

Age : 54.10:38:05.3790593

The value you specify for the user name will also search the user's description prop-  
erty. This is a handy way of finding users with similar interests.

Find-BskyUser powershell

Username: Dave Carroll [[thedavecarroll.com](https://thedavecarroll.com)]

Created

Description

4/29/2023 6:52:59 AM #PowerShell #Developer and enthusiast with a side of  
#DevOps, #Python, infrastructure, and #RetroComputing.  
Lifelong #cinophile and #punster.

#Aspie #INTJ #9w1  
He/Him

<https://thedavecarroll.com>

Username: Sandro [[kharec.info](https://kharec.info)]

Created

Description

7/24/2023 3:46:02 AM F R /U S SysOps turned #DevOps 🧑🏻  
Python/Go/C++/Perl developer 🎧 JSON/YAML/HCL lover 🇺🇸  
Bash/PowerShell eater 🐱 repressed DBA ⚙️ pop culture nerd  
📺 📺 📺 📺 📺

Username: Frode [[frodeflaten.com](https://frodeflaten.com)]

Figure 8: Find Bluesky users via their description

You can pipe the search results to `Get-BskyProfile` to retrieve more information.

```
PS C:\> $p = Find-BskyUser powershell -Limit 10
PS C:\> $p | Get-BskyProfile
```

Chrissy LeMaire [[funbucket.dev](https://funbucket.dev)]

Dual Microsoft MVP, GitHub Star, creator of [dbatools](https://dbatools.io), author  
[http://dbatools.io/book](https://dbatools.io/book) ☐☐

Totally into PowerShell, SQL Server and AI.

☐ North of France

Created	Posts	Followers	Following	Lists
4/24/2023 12:12:00 PM	688	1435	614	0
...				

## Following

Likewise, you can get a list of all the accounts you are following.

```
Get-BskyFollowing -limit 3
```

```
PS C:\> get-bskyFollowing -limit 3
```

Display	Username	Description
Kevin Cunningham	<a href="https://dolearning.dev">dolearning.dev</a>	Developer educator   Helping dev teams keep their JS/TS, Python and PHP sharp (sometimes Java and Golang too)  <a href="https://kevincunningham.co.uk">https://kevincunningham.co.uk</a>
Richard M. Hicks	<a href="https://richardhicks.com">richardhicks.com</a>	📍 Northern Ireland
Last Week Tonight with John Oliver UPDATE	<a href="https://lastweektonight1.bsky.social">lastweektonight1.bsky.social</a>	/ video / info / resources / Last Week Tonight with John Oliver ~ unaffiliated

Figure 9: Bluesky following

As with followers, the default behavior is to retrieve between 1 and 100 accounts you are following. Or you can use the `-All` parameter to retrieve all accounts you are following.

## Feed

Use `Get-BskyFeed` to retrieve the latest posts from *your* feed. You can query for 1 to 100.

```
Get-BskyFeed -Limit 3
```

The default output uses a custom format file. The current behavior is to get posts and replies.

```
PS C:\> Get-PSBlueskyFeed -Limit 3

Jeff Hicks [jdhitsolutions.com]
Getting close to pushing an update to my #PoewrShell bluesky module

Date                Liked Replied Reposted Quoted
-----
10/27/2024 1:43:06 PM      0      0      0      0

Jeff Hicks [jdhitsolutions.com]
Adding help documentation to my Bluesky #PowerShell module.

Date                Liked Replied Reposted Quoted
-----
10/27/2024 1:12:18 PM      1      0      0      0

Jeff Hicks [jdhitsolutions.com]
I'm using the #PowerShell InformationVariable to store the raw response from the Bluesky API.

Date                Liked Replied Reposted Quoted
-----
10/27/2024 12:05:15 PM      1      0      0      0
```

Figure 10: Getting your Bluesky feed

The formatted output includes clickable links to the the author, which might be different than you if reposting, and the post. For best results, run PowerShell 7 in Windows Terminal.

## Notifications

You can retrieve your notifications with `Get-BskyNotification`. You can specify a limit of 1 to 100. The default is 50.

```
Get-BskyNotification -limit 10
```

The default formatted output includes clickable links to the author and the liked or reposted skeet.

-  Like
-  Follow
-  Repost
-  Reply



Date	Account	Subject
11/13/2024 1:36 PM	<a href="#">mscommunity.bsky.social</a>	
11/13/2024 1:24 PM	<a href="#">Oscar</a>	
11/13/2024 1:18 PM	<a href="#">dirteam.bsky.social</a>	
11/13/2024 1:04 PM	<a href="#">Hoang Chu</a>	
11/13/2024 1:01 PM	 <a href="#">Madhu PERERA</a>	<u>I have published v1.2.0 of the PSBluesky module to the #PowerShell Gallery. Run Open-BskyHelp to read the help PDF</u>
	<div>Like</div>	
	<div>follow</div>	
11/13/2024 12:54 PM	<a href="#">medford</a>	
11/13/2024 12:48 PM	<a href="#">tysonro.bsky.social</a>	
11/13/2024 12:17 PM	<a href="#">sqljuju.bsky.social</a>	
11/13/2024 11:47 AM	 <a href="#">Mark Oldham</a>	<u>I'm on track to double my follower count in one week. I don't think I ever had this type of engagement in the upside down. Thank you.</u>
	<div>links</div>	
11/13/2024 11:38 AM	<a href="#">martyntolley.bsky.social</a>	

Figure 11: Getting your Bluesky notifications

Long account names will be truncated in the formatted output.

## Timeline

If you want to view items from your timeline, use the `Get-BskyTimeline` command.



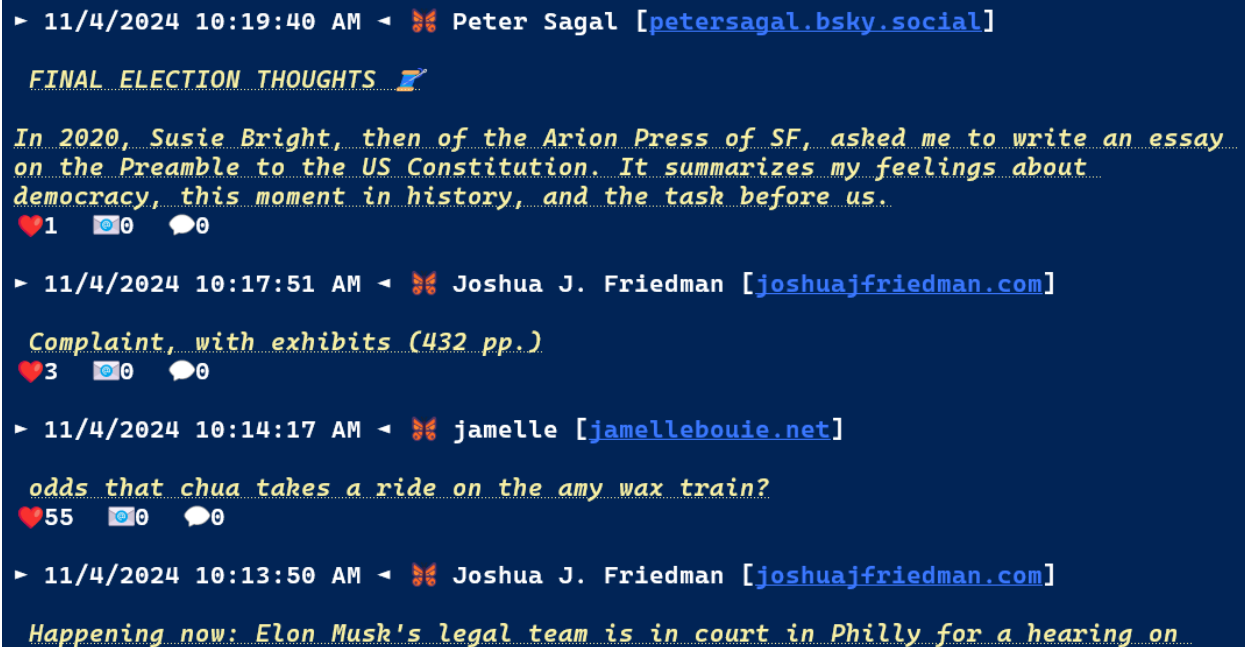


Figure 12: Getting your Bluesky timeline

You can specify a limit of 1 to 100. The default is 50.

```
Get-BskyTimeline -Limit 25
```

The command uses a custom format file. The default formatted output includes clickable links to the author and the post.

## Information and Troubleshooting

The commands in this module should write the raw response from the API request to the Information stream. Some commands might include additional information.

```

PS C:\> $me = Get-PSBlueskyProfile jdhitsolutions.com -InformationVariable v
PS C:\> $v | select *

MessageData      : @{did=did:plc:ohgsqpfsbocaaxusxqlgfvd7; handle=jdhitsolutions.com; displayName=Jeff  

                  avatar=https://cdn.bsky.app/img/avatar/plain/did:plc:ohgsqpfsbocaaxusxqlgfvd7/bafk  

                  associated=; viewer=; labels=System.Object[]; createdAt=5/21/2023 2:44:48 PM; desc  

                  Prof. PowerShell Emeritus 🦋  

                  Grizzled and grumpy IT Pro - https://jdhitsolutions.github.io/  

                  🎸Amateur composer - https://musescore.com/user/26698536  

                  Wine drinker 🍷🍷 and dog lover; indexedAt=10/26/2024 3:45:40 PM;  

                  banner=https://cdn.bsky.app/img/banner/plain/did:plc:ohgsqpfsbocaaxusxqlgfvd7/bafk  

                  followersCount=322; followsCount=177; postsCount=543}
Source           : C:\Scripts\PSBluesky\functions\Get-PSBlueSkyProfile.ps1
TimeGenerated    : 10/27/2024 12:02:44 PM
Tags             : {raw}
User             : THINKX1-JH\Jeff
Computer        : ThinkX1-JH
ProcessId        : 20632
NativeThreadId   : 20936
ManagedThreadId : 17

```

Figure 13: Information stream

The output will be an object.

```

PS C:\> $v.MessageData | Select-Object did,handle,*count

did           : did:plc:ohgsqpfsbocaaxusxqlgfvd7
handle        : jdhitsolutions.com
followersCount : 322
followsCount  : 177
postsCount    : 543

```

You might want to set a default parameter value.

```
$PSDefaultParameterValues['*-Sky*:InformationVariable'] = "iv"
```

## Other Module Features

### Custom Formatting

Many of the commands in this module use custom formatting files to provide a more visually appealing output. The module uses emojis and ANSI formatting. The formatting is designed for Windows Terminal or a console that supports ANSI formatting and emojis.

Some commands will also have alternative format views.

```
PS C:\> $tl | sort liked -desc | select -first 10 | format-table -view liked
```

Liked	Date	Author	Text
690	1/9/2025 11:32:07 AM	Know Your Meme [knowyourmeme.com]	On this day 12 years ago, @kcg.bsky.social posted the "This is Fine" comic.
668	1/9/2025 12:35:47 PM	Aaron Rupar [atrupar.com]	Some of the responses we've seen to the CA fires illustrate the same basic political dynamic that helped Trump win last year. It's a given Republicans will crap on Dems when things go wrong. But it's also a given that the far left does it too, often in equally misleading ways. Californians are all too familiar with flip-flopping weather extremes, and new research suggests that weather whiplash is increasing as the atmosphere warms due to human-caused climate change. via @kqednews.bsky.social
397	1/9/2025 12:34:56 PM	NPR [npr.org]	To an asshole, all virtue is "virtue signaling."
309	1/9/2025 12:34:10 PM	David Roberts [volts.wtf]	People are pressing me for an example, so here you go. Far left social media ran wild yesterday with the narrative that Karen Bass cut the LA fire department. That's misleading at best, but is the exact sort of talking point that gets heavy plan in rightwing media.
230	1/9/2025 12:42:44 PM	Aaron Rupar [atrupar.com]	Welcome to Bluesky! A few tips:
208	1/9/2025 8:02:54 AM	Steve Kenson [stevekenson.com]	

Figure 14: Liked custom view

Command	Format	ViewName
Get-BskyLiked	Table	Liked
Get-BskyTimeline	Table	Liked
Get-BskyTimeline	Table	Default
Get-BskyFeed	Table	Liked
Get-BskyModuleInfo	List	Default

## Type Extensions

You are encourage to pipe command results to Get-Member to discover additional properties you might find useful.

```
PS C:\> Get-BskyProfile thedavecarroll.com |
Format-List Name,Description,Created,Age
```

```
Name          : thedavecarroll.com
Description    : #PowerShell #Developer and enthusiast with a side of #DevOps,
                #Python, infrastructure, and
                #RetroComputing. Lifelong #cinophile and #punster.

                #Aspie #INTJ #9w1
                He/Him

                https:// thedavecarroll.com
```

Created : 4/29/2023 6:52:59 AM  
Age : 569.04:06:51.6915207

## Custom Verbose Messaging

This module uses ANSI formatting with localized string data and customized verbose messaging.

```
PS C:\> $f = Get-BskyFeed -Limit 10 -Verbose
VERBOSE: [10:31:47:2888 BEGIN ] Get-BskyFeed-> Starting PSBluesky module command
VERBOSE: [10:31:47:2891 BEGIN ] Get-BskyFeed-> Running under PowerShell version 7.4.6
VERBOSE: [10:31:47:2892 BEGIN ] Get-BskyFeed-> Using PowerShell Host ConsoleHost
VERBOSE: [10:31:47:2894 BEGIN ] Get-BskyFeed-> Running under Operating System Microsoft Windows 10.0.26100
VERBOSE: [10:31:47:2895 BEGIN ] Get-BskyFeed-> Using module PSBluesky version 2.0.0
VERBOSE: [10:31:47:2898 PROCESS] Get-BskyFeed-> Querying 10 feed items for jdhitsolutions.com
VERBOSE: [10:31:47:2899 PROCESS] Get-BskyFeed-> https://bsky.social/xrpc/app.bsky.feed.getAuthorFeed?actor=did:plc:ohg
sppfsbocaaxusxqlgfvd7&limit=10&filter=posts_with_replies
VERBOSE: Requested HTTP/1.1 GET with 0-byte payload
VERBOSE: Received HTTP/1.1 response of content type application/json of unknown size
VERBOSE: Content encoding: utf-8
VERBOSE: [10:31:47:8473 END ] Get-BskyFeed-> Ending PSBluesky module command
PS C:\>
```

Figure 15: Custom verbose messaging

The color formatting the command names is not user-configurable at this time.

I am hoping to add localized strings for other languages as well as localizations to command help and the help PDF file.

## Roadmap

I have a short list of items on my wish list:

- Add support for posting video
- Add commands to work with direct messages, aka chat
- Maybe create a TUI-base reader for your timeline

If you are testing the module and think you've found a bug, please post an [Issue](#). For all other topics and questions, including feature requests, please use the repository's [Discussions](#) section. I am open to pull requests if you have a feature you'd like to add. I especially would love to see the Pester tests expanded and the pending tests completed.

**Note:** You can find me on Bluesky as [jdhitsolutions.com](https://jdhitsolutions.com).