Money



Congratulations! You were offered equity!: Stock Options

Running Example: Kerri

Kerri's offer tells her the number of shares of option grants she was offered, but not how much they're worth.

This is standard.

MEETLY

2525 CHARLESTON ROAD SUITE 104 MOUNTAIN VIEW, CA 94043

SEPTEMBER 3, 2015

Kerri Stuart

Via email to: kerri@example.com

Dear Kerri:

I am pleased to offer you a position with Meetly, Inc (the "Company"), as Senior Engineer. If you decide to join us, you will receive an annual salary of \$100,000, which will be paid semi-monthly in accordance with the Company's normal payroll procedures. In addition, subject to the approval of the Company's Board of Directors, you will be granted 100 shares of option grants of the Company, which shares will vest in accordance with the following vesting schedule: 25% on your first year anniversary date, and the remainder for 1/36th for each month of continuous service thereafter. You should note that the Company may modify job titles, salaries and benefits from time to time as it deems necessary.

The Company is excited about your joining and looks forward to a beneficial and productive relationship. Nevertheless, you should be aware that your employment with the Company is for no specified period and constitutes at will employment. As a result, you are free to resign at any time, for any reason or for no reason. Similarly, the Company is free to conclude its employment relationship with you at any time, with or without cause, and with or without notice. We request that, in the event of resignation,

Congratulations! You were offered equity!: Stock Options

Running Example: Kerri

Kerri has 100 shares of option grants.

But what does this even mean?

To make sense of this, there are 4 things Kerri should consider:

- 1. Types of Stock Options
- 2. Option Agreement
- 3. Vesting
- 4. Termination



What's a Stock Option anyway?

Stock Options:

A stock option is the right to buy a set number of shares at a fixed price.

In Kerri's case, that fixed price is \$1

The goal is for the *value* of that stock to increase. But since the fixed price stays fixed for Kerri, that means Kerri can make money on the difference.

Know what kind of Stock Option you have

There are generally two types:

ISO vs NSO

ISO = incentive stock option, NSO = non-qualified stock option

Employees of startups usually get ISOs.

Consultants usually get NSOs.

The main difference is tax benefits, which we'll cover later.

Make sure you get an option agreement

An offer letter talking about stock options you've been offered is *not legally binding*.

Until you've received and signed an option agreement, you technically don't own stock options.

MEETLY, Inc. 2005 STOCK PLAN NOTICE OF STOCK OPTION GRANT

The Optionee has been granted the following option to purchase shares of the Common Stock of XYZ, Inc.:

Name of Optionee: «Name»

Total Number of Shares: «Total Shares»

Type of Option: «ISO» Incentive Stock Option (ISO)

«NSO» Nonstatutory Stock Option (NSO)

Exercise Price per Share: \$\times \text{PricePerShare} \text{

Objected Frants

Objected Frants

Date Exercisable: This option may be exercised with respect to the

first 25% of the Shares subject to this option when the Optionee completes 12 months of continuous Service beginning with the Vesting Commencement Date set forth below. This option may be exercised with respect to an additional 1/36th of the remaining Shares subject to this option when the Optionee completes each month of continuous Service

thereafter.

Vesting Commencement Date:

«VestComDate»

Expiration Date: «ExpDate». This option expires earlier if the

Optionee's Service terminates earlier, as provided

in Section 6 of the Stock Option Agreement.



You don't get your stock options right away

You don't get it until it **VESTS**

Vesting means that you have to earn your stock options over time.

Companies do this because they want employees to stay with them and contribute to the company's success over several years.

If stock options didn't vest, an employee could join a company, work there for a month, buy a bunch of the company's stock, and leave. Vesting prevents this.

MEETLY

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SEPTEMBER 3, 2015

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The Company is excited about your joining and looks forward to a beneficial and productive relationship. Nevertheless, you should be aware that your employment the Company is for no specified period and constitutes at will employment. As a r you are free to resign at any time, for any reason or for no reason. Similarly, the Company is free to conclude its employment relationship with you at any time, w without cause, and with or without notice. We request that, in the event of resigna you give the Company at least two weeks notice.

The Company reserves the right to conduct background investigations and/or reft checks on all of its potential employees. Your job offer, therefore, is contingent to clearance of such a background investigation and/or reference check, if any,

For purposes of federal immigration law, you will be required to provide to the C documentary evidence of your identity and eligibility for employment in the Unit States. Such documentation must be provided to us within three (3) business days date of hire, or our employment relationship with you may be terminated.

MEETLY, INC. 2005 STOCK PLAN NOTICE OF STOCK OPTION GRANT

The Optionee has been granted the following option to purchase shares of the Common Stock of MEETLY, Inc.:

Name of Optionee: er amen

Total Number of Shares: «TotalShares»

Type of Option: «ISO» Incentive Stock Option (ISO) «NSO» Nonstatutory Stock Option (NSO)

Exercise Price per Share: ScPricePerShares Date of Grant: «DateGrant»

Date Exercisable:

This option may be exercised with respect to the first 25% of the Shares subject to this option when the Optionee completes 12 months of continuous Service beginning with the Vesting Commencement Date set forth below. This option may be exercised with respect to an additional 1/36° of the remaining Shares subject to this option when the Optionee completes each month of continuous Service

Vesting Commencement Date: «VestComDute»

Expiration Date: «ExpDate». This option expires earlier if the Optionee's Service terminates earlier, as provided in Section 6 of the Stock Option Agreement.

thereafter.

By signing below, the Optionee and the Company agree that this option is granted under, and

There are all kinds of vesting schedules (so pay attention to this if you get an offer with a nontraditional vestina schedule!) but what's called traditional vesting is most common.

governed by the terms and conditions of, the 2010 Stock Plan and the Stock Option Agreement. Both of these documents are attached to, and made a part of, this Notice of Stock Option Grant. Section 13 of the Stock Option Agreement includes important acknowledgements of the Optioner.

ployees-part-1-6eaea8cfcb4

OPTIONEE:

Two parts of a traditional vesting schedule:

- 1. the "cliff"
- 2. the total length of the schedule

Kerri's example:

1 year cliff. This is standard. After 1 year of working at Meetly, she can buy 25% of her shares, which is 25 shares out of 100.

Date	Options vested	Cumulative
Nov 1, 2015	25	25
Dec 1, 2015	2	₂ †00 ÷ 4 =
Jan 1, 2016	2	29
Feb 1, 2016	2	31
Mar 1, 2016	2	33
Apr 1, 2016	2	35
May 1, 2016	2	37
Jun 1, 2016	2	39
Jul 1, 2016	2	41



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36 month schedule. This outlines how often, and for how long, Kerri will continue to vest her shares. After Kerri reaches her cliff, she will continue to vest the remaining shares for 36 months, or 2 shares each month.

Date	Options vested	Cumulative
Nov 1, 2015	25	25
Dec 1, 2015	2	27
Jan 1, 2016	2	₂ 975 ÷ 36 = 2
Feb 1, 2016	2	31
Mar 1, 2016	2	33
Apr 1, 2016	2	35
May 1, 2016	2	37
Jun 1, 2016	2	39
Jul 1, 2016	2	41



What happens when I leave the company?

Startups have high

Jargon: you must remember to on your own to exercise on your options in that 90-day window!

And most importantly,

YOU ONLY HAVE THAT RIGHT FOR A FIXED WINDOW OF TIME, TYPICALLY 30-90 DAYS 😱

Your company won't remind you of this window when you leave. Typically they only tell you about it in your option agreement when you join!

But how much is it worth anyway?

The short ansv

But wait, our startup isn't publiclytraded... It's a private company.

First, some ter

strike price: the cost for you to buy 1 share of stock. This is also called an *exercise price*.

FMV (fair market value): to figure out the strike price, the company has to determine the fair market value of the stock if it were publicly traded on the open market. The strike price is almost always equal to the Fair Market Value of the stock on the day the option is granted.

Where does the FMV come from?

For startups, which are private companies and not publicly-traded on the stock market, we have to estimate the FMV somehow.

This is done via a 409a valuation

Where does the FMV come from?

DEFINITION

A <u>409A valuation</u> is an assessment <u>private companies</u> are required by the IRS to conduct regarding the value of any equity the company issues or offers to employees. A company wants the 409A to be low, so that employees make more off options, but not so low the IRS won't consider it reasonable. In order to minimize the risk that a 409A valuation is manipulated to the benefit of the company, companies hire independent firms to perform 409A valuations, typically annually or after events like fundraising.

The <u>409A valuation</u> of employee equity is usually much less than what investors pay for <u>preferred stock</u>; often, it might be only a third or less of the preferred stock price.

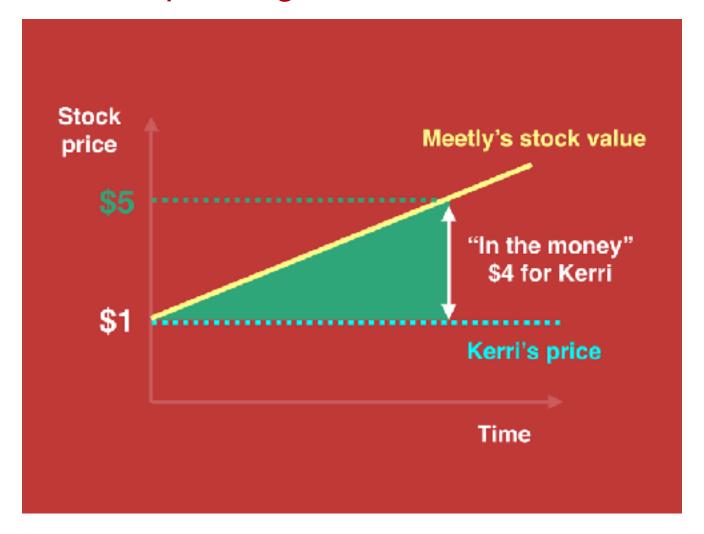
M controversy Although the 409A process is required and completely standard for startups, the practice is a strange mix of formality and complete guesswork. It has been called "quite precise—remarkably inaccurate," by venture capitalist Bill Gurley. You can read more about its nuances and controversies.

From the Holloway
Guide on Equity
Compensation: https://www.holloway.com/g/equity-compensation

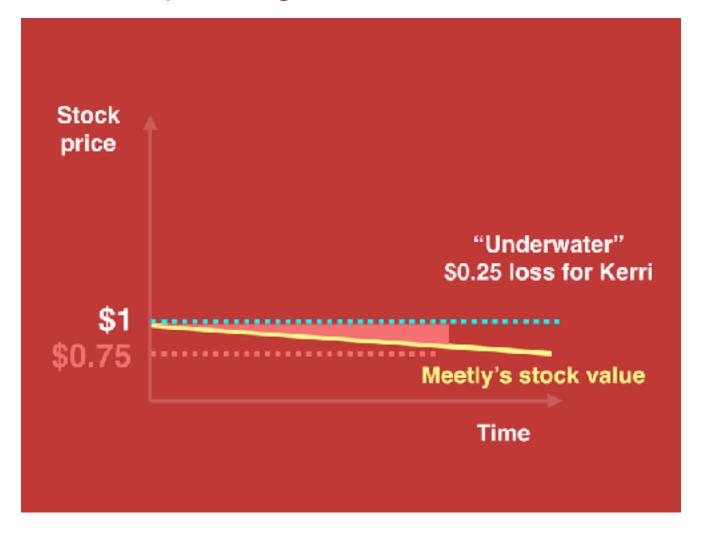
How stock options gain value



How stock options gain value



How stock options gain value



But things won't stay this way forever...

Dilution happens.

https://youtu.be/njx09wXb9o0?t=47



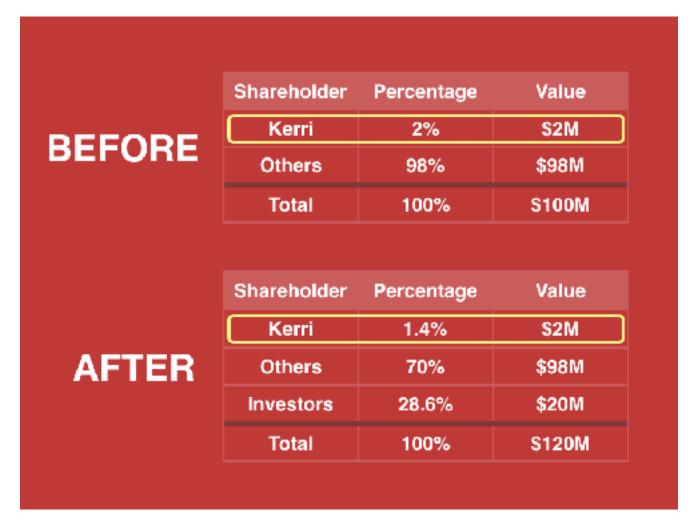
Kerri's 100 shares were worth 2% of the company.



A year later,
Meetly decides it
needs more
money, so it
brings in new
investors.







But things won't stay this way forever...

Dilution happens.

https://youtu.be/njx09wXb9o0?t=47





Raw

What I Wish I'd Known About Equity Before Joining A Unicorn

Disclaimer: This piece is written anonymously. The names of a few particular companies are mentioned, but as common examples only.

This is a short write-up on things that I wish I'd known and considered before joining a private company (aka startup, aka unicern in some cases). I'm not trying to make the case that you should never join a private company, but the power imbalance between founder and employee is extreme, and that potential candidates would do well to consider alternatives.

None of this information is new or novel, but this document aims to put the basics in one place.

The Rub

Lock In

- After leaving a company, you generally have 90 days to exercise your options or they're gone. This seems to have
 originally developed around a historical rule from the IRS around the treatment of ISOs, but the exact reason doesn't
 really matter anymore. The only thing that does matter is that if you ever want to leave your company, all that equity
 that you spent years building could evaporate if you don't have the immediate cash reserves to buy into it.
- Worse yet, by exercising options you owe tax immediately on money that you never made. Your options have a strike
 price and private companies generally have a 409A valuation to determine their fair market value. You owe tax on the
 difference between those two numbers multiplied by the number of options exercised, even if the illiquidity of the
 shares means that you never made a cent, and have no conceivable way of doing so for the forseeable future.
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 shares means that you never made a cent, and have no conceivable way of doing so for the forseeable future.
- Even if you have the money to buy your options and pay the taxman, that cash is now locked in and could see little
 return on investment for a long and uncertain amount of time. Consider the opportunity cost of what you could
 otherwise have done with that liquid capital.
- Due to tax law, there is a ten year limit on the exercise term of ISO options from the day they're granted. Even if the shares aren't liquid by then, you either lose them or exercise them, with exercising them coming with all the caveats around cost and taxation listed above.

Does ten years sound like a long time? Consider the ages of these unicorns:

- · Palantir is now thirteen years old.
- Dropbox will be ten years old this year (2017).
- AirBnB, GitHub, and Uber are all within a year or two of their ten year birthdays.
- Some companies now offer 10-year exercise window (after you quit) whereby your ISOs are automatically converted.



There are two types of taxes you should keep in mind when exercising your options:

Ordinary Income Tax

VS

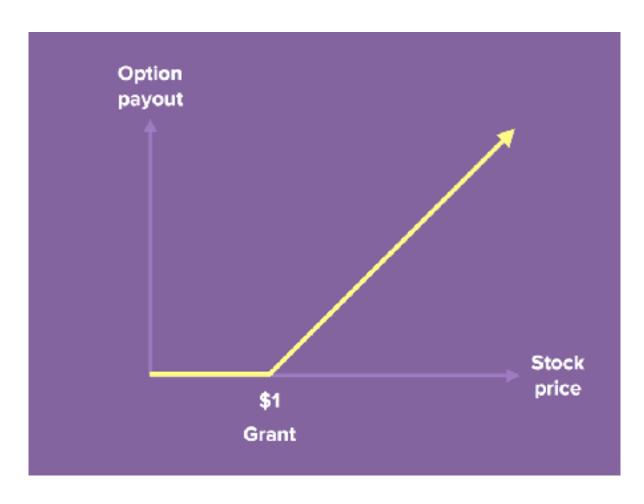
Capital Gains



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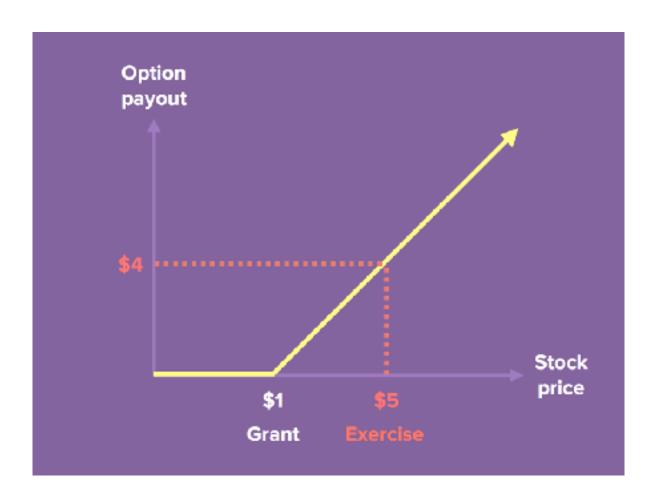
Ordinary Income Tax applies to things like wages and salaries.

Capital Gains tax applies to any profits you make from selling an asset.



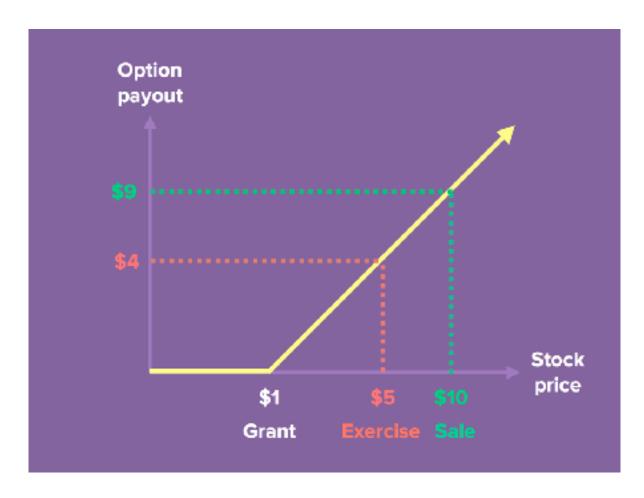
This graph shows Kerri's option payout as a function of Meetly's stock price.

The option payout is represented by the yellow line.



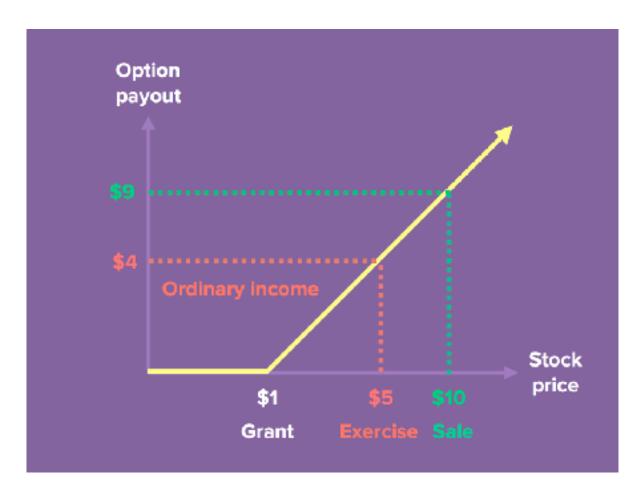
If Kerri decides to exercise when the stock price is \$5, her option payout is \$4.

That's the \$5 stock price minus her \$1 strike price.

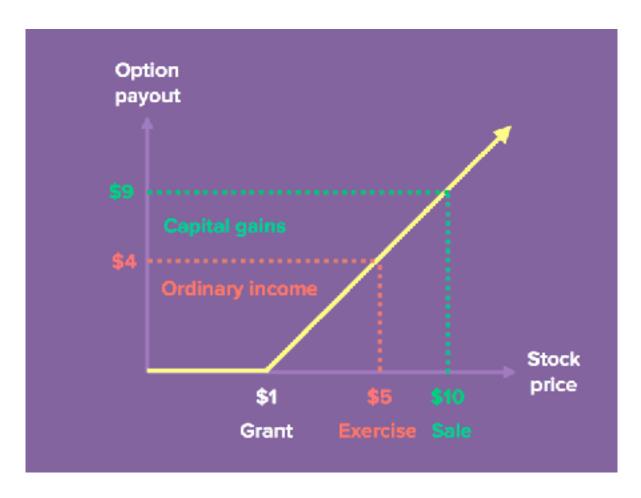


Now let's assume Kerri sells the stock when the stock price is \$10. Her option payout here is \$9.

Again, the \$10 stock price minus her \$1 strike price.

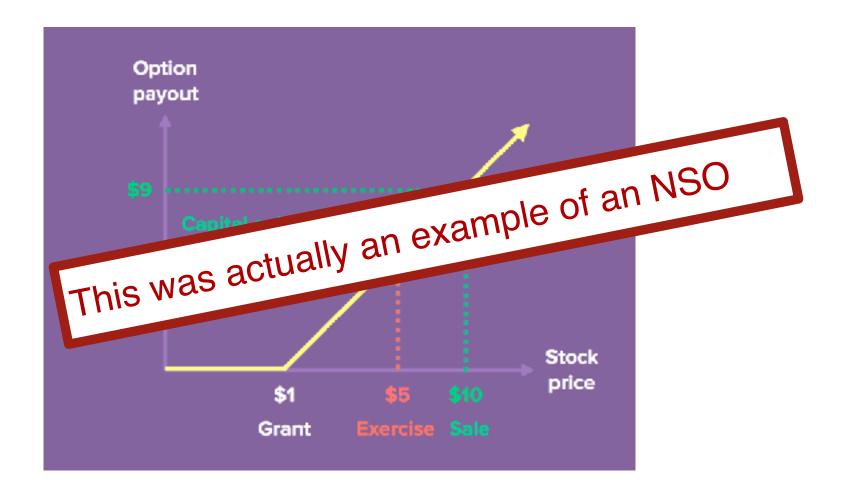


Any gain before the exercise is treated as Ordinary Income tax



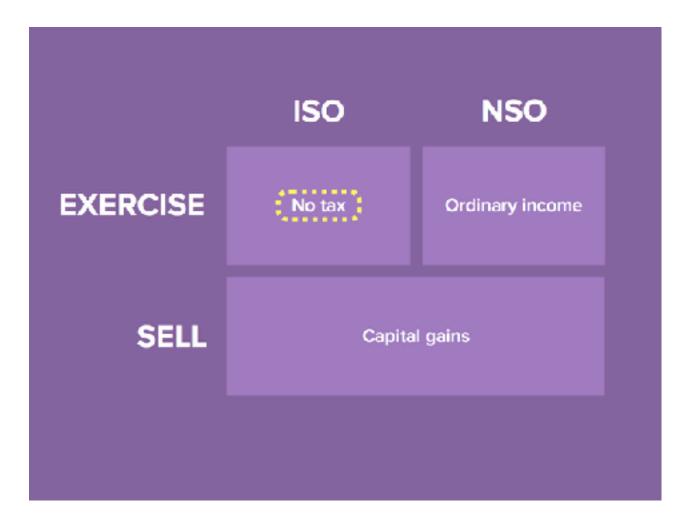
On top of that, any gain in the stock price after the exercise is treated as Capital Gains tax.

Because Kerri owns the stock at this point, any gain she makes at sale is a profit from selling as asset.



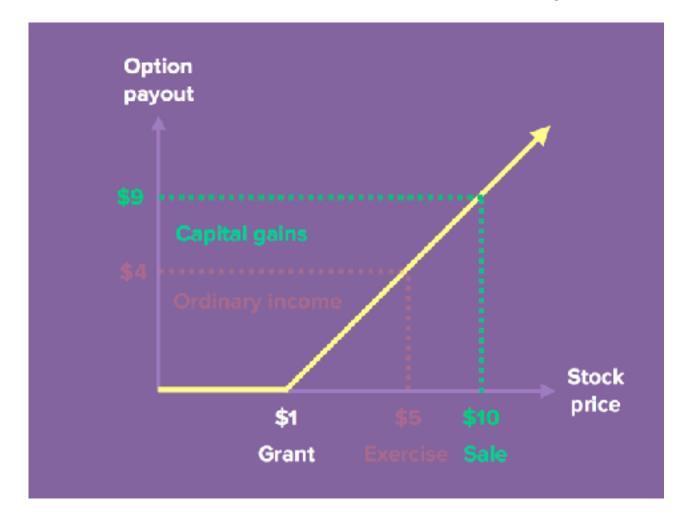


ISOs vs NSOs on Kerri's example



The benefit of having ISOs is that you do not pay tax on the day you exercise.

ISOs vs NSOs on Kerri's example



In Kerri's case, the entire \$9 payout is taxed as Capital Gains and she does not have to pay that tax until she sells the stock.

One other tax you should be aware of...

Alternative Minimum Tax (AMT)

AMT is a separate set of tax rules that include external factors like ISO exercises in your tax calculation.

If the AMT calculation exceeds the normal amount, you will need to pay the greater of the two calculation.

AMT can potentially be thousands of dollars, depending on your income and the gain you realize from the exercise.

In order to receive tax benefits, you must adhere to a holding period

The main reason ISOs are nice is that you don't have to pay tax on the day that you exercise (unless you owe AMT)

To receive this benefit, however, you have to meet certain holding periods:

the day you sell the stock needs to be at least 2 years after the day your options were granted, and 1 year after the day your options were exercised.



Holding periods in Kerri's example



If either of these holding periods aren't met, your options are treated as NSOs (=more tax)



Scenario 1: (Usually) upon termination.

And remember, you always have a window—typically 30-90 days—to exercise your vested options.

When this happens, you are exercising at some point in the middle of the grant's life. That means you will most likely pay some mix of Ordinary Income tax and Capital Gains tax upon the sale of the stock.

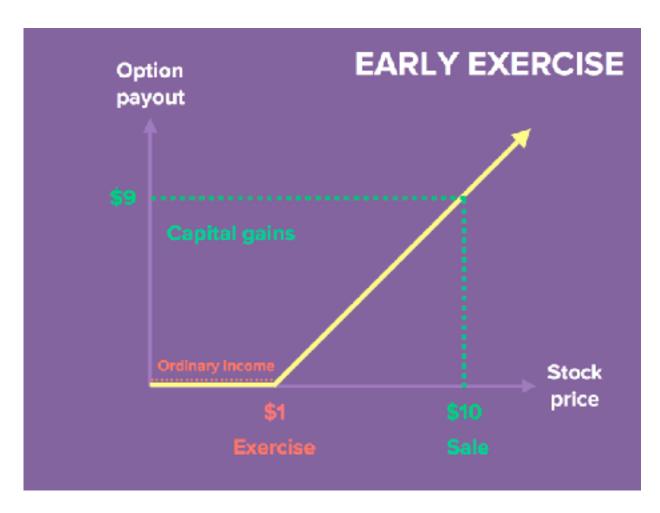


Scenario 2: Early exercise.

Some companies allow this, and it just means you can exercise your options before they have vested.

But this is risky!

Holding periods in Kerri's example



Risky because:

There is no guarantee that your stock will ever be liquid, so you are paying to buy stock that could one day be worthless.

Scenario 3: Upon Exit

This is the least risky time to exercise, because you know the stock is liquid immediately.

You can turn around and sell the stock for a gain (hopefully) the same day you pay to buy it.

The downside in this situation is that you usually end up paying more tax.

Remember those holding periods we talked about (the day you sell the stock needs to be at least one year after the day you exercised your options)? That holding period won't be met if you sell the stock on the same day you buy it. If this happens, you're options will be treated like NSOs, and any pre-exercise gain is taxed as Ordinary Income.



What about Stock Units?

- A company which already has liquify stock (stock which trades publicly) will sometimes offer Restricted Stock Units (RSUs) as part of your compensation.
- These are kinda like options, but you don't have to buy them (they are given to you on a vesting schedule.
 - Count as part of your "normal" income.
 - But taxes aren't withheld at normal income rates!

Traditional Vesting

D. I.	0	O
Date	Options vested	Cumulative
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- These are kinda like options, but you don't have to buy them (they are given to you on a vesting schedule.
 - Count as part of your "normal" income.
 - But taxes aren't withheld at normal income rates!
- After the RSU vests, it is your, just like any other stock you would have bought.
- Trading is often subject to restrictions based upon market timing.
 - Financial results announcements, etc.

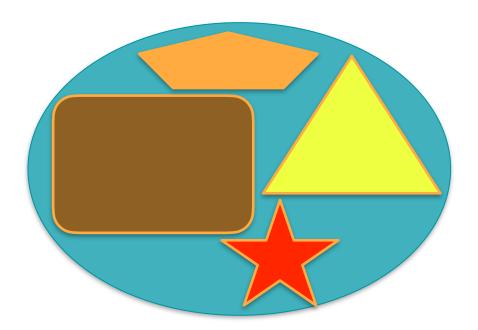
Roles in Tech

- Software Engineer
- Tech Lead
- Manager
- Product Manager
- Technical Program Manager / Project Manager
- Technical Writer

Some roles are filled by the same person, depending on team/company.

Tech Lead

- Usually an engineer who is taking on more organizational leadership.
 - Still doing engineering, but more "glue" bits



Manager

- Responsible for organizing projects and coaching people.
- Much more people interaction
 - More meetings
 - More "hard" discussions
 - Potentially more politics
- "Managing" and "Leading" are different, but related, skills

Product Manager

- The interface with the customers.
- Works with the engineering team to define the product, metrics for success, etc.
 - Engineers give the "how"
 - PMs give the "what"
- May use technical tools to do their job, but primary role is customer / organization facing.

Technical Program Manager / Project Manager

- Someone with a technical background who runs projects or programs.
- Examples:
 - Events
 - Cross-team projects
 - Internal recognization programs

These are often the kinds of things that somebody has to be in charge of, but don't require engineering resources.

Career Advancement

- Always be working on the most important thing for you.
- "Manage up"
 - Nobody cares as much about your career as you do.
- Most companies reward strong ICs the same as managers.
 - At some point there isn't going to be enough space for everybody: there can only be one CEO, etc.
- Do what makes sense for you: many people want neither the responsibility, nor the headaches (and are happy foregoing the money) that comes with "advancement"