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Deck Options Explained

Pinned by Anki

ankidt Jul 2019
Anki Developer

If you think it's too long to read, you can scan-parade-pretty. Any work as-some-sort of 5. 20 Jul 2019 and Anki Developer

Deck Options

Deck Options

I think Anki options is the most important thing about anki that everybody should know how to work with well modify.

Many people have good deck options that I see I have seen shown I started using anki and that are incorrect for anki users to understand.

A controls and to scheduler so if you use inappropriate settings, you might have to review too many cards per day or too few cards per day. Or your memory will suffer. If you might not have as much time to review as you would like to review cards.

I personally think that effective anki is for you depends on your deck options settings, and knowing with your deck options settings that are most appropriate for you. Because I think that is the most important, the right settings to load many and do the best way you can use to memorize almost anything.

In this post I will just explain how everything works and how it affects everybody, and I recommend that you read this whole post. Because I think that will be the most useful for yourself which works best for you.

Opening Deck Options

You can open deck options by:

- Clicking of gear icon in front of your deck name and selecting "Options" from the menu that appears.
- Opening a deck review and going to deck overview and pressing "O" or more options button and selecting "Options" from the menu.

Creating Option Groups

If you have multiple decks/decks you might want to use different settings for each one of them. If you have a deck for Japanese and a deck for different dialects you might want to create options.

To create option groups:

1. Add on "Manage..." button in top right corner of deck options window
2. select "Add" from the menu that appears.
3. Name it. Then select it from the drop down in your options group.

Image 🖼 you just created your options groups.

NOTE: You don't have to create different option groups for every deck you have. some settings might be effective for more than one deck.

Note that you created your deck options, in "New Cards", "Reviews", and "Lapses" if anywhere when each option's delay.

New Cards

This is all. the word suggests, modifies how anki treats new cards.

Steps (in minutes)

This options defines learning steps for new cards.

You'll also see learning steps on a newsletter card each time you press "Good" on that card.

Say your learning steps are like this: 1 10 30. Said

- If you press "Again" on a new card, the card will go back to the first learning step.
- If you press "Good" on a new card, it will go to the next learning step. (Right since you answer "Good" on a new card, it will go to the second learning step.)
- If you press "Good" on a new card on the last learning step, it will graduate.

This second number (10) is the first learning step. when you have pressed good on a new card. This second number (10) is the second learning step. When you press "Good" on a new card.

The third number (1440 = 1 day) is the second learning step. when you have pressed good on a new card. This second number (10) is the second learning step. When you press "Good" on a new card.

Note that you have finished learning. the cards works learning phase and it'll get an easier (Starting ease) and graduating interval.

when you finish learning steps, the cards work learning for the first time and will be "Graduating interval".

Graduating Interval

When you finish learning a card (when you finish learning steps after you see this card again, it's interval will be "Graduating interval".

Say your learning steps are like this: 1 10 30 and your graduating interval is 1 day. Said

When you see a card after last learning step (after 1 day) if you press "Good" on that card, it's interval will be 1 days. meaning will tell show you the card again after 1 days.

If you press "Good" on a review card, it's interval will increase based on it's ease settings.

Easy interval

It controls easy button when for cards is learning phase.

If you press "Easy" on a card that is learning, it's interval will graduate (if it said the learning phase) it's interval will be "Easy interval".

Say your Easy interval is days.

If you press "Easy" on a new learning phase, it's interval set to 4 days. meaning anki will show you the card after 4 days.

Starting ease

Starting ease controls what ease a card starts with (controls how often you see a card. Starting ease is the ease that will come graduating from learning phase and get graduated. You'll see how it affects how often you see a card in "Reviews"

Examples

I know some of you find those explanations confusing. So I will give some examples and compare this part with the previous parts of you into understand what exactly happens.

Steps (in minutes) 1 10 1440
Graduating interval: 1 day
Easy interval: 4 days

new card -> (Press "Good") -> (Press again in 10 minutes)
new card -> (Press "Good") -> (Press again in 10 minutes) -> (Press again in 1 day)
the same card after 20 minutes -> (Press "Good") -> (Press again in 4 days)
the same card after 20 minutes -> (Press "Easy") -> (Press again in 4 days)

- If you press again in any of these steps, the card will go back to the first learning step.
- If you press "Good" in any of these steps, the card will go to the next learning step. (Right since you answer "Good" on a new card, it will go to the second learning step.)
- If you press "Easy" in any of these steps, the card will start learning phase, and it's interval will be "Easy interval".

Difference between graduated cards and cards in learning phase

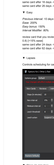
You might be wondering what happens when a card graduates, what's the difference between a graduated card and a card in learning phase.

Say your learning steps are like this: 1 10 1440 and your graduating interval is 1 day. Said

When you see a card after last learning step (after 1 day) if you graduate it'll said the learning phase it's interval will be "Graduating interval".

Reviews

This also controls scheduling for cards in review phase.



Scheduling for review cards is based on previous interval how long it's been since you last reviewed this card. Ease and how you answered this card. Ease controls how often you see a card.

Example

I think something about options is to form of an example is much easier and less confusing.

Again

If you press **Again** on a review card, it's set review state and will enter re-learning phase and it's ease will decrease by 20%. (more about re-learning phase in **Lapses** section)

Hard

If you press **Hard** on a review card, it's previous interval will be multiplied by **Hard interval** and it's ease will be decreased by **15%** telling anki to show you the card more frequently.

Here's an example card:

Previous interval: 10 days
Ease: 250%

newly card that you reviewed 10 days ago -> (Press "Hard") -> show again in 10 days (10 * 1.2)
same card after 10 days -> (Press "Hard") -> show again in 14 days (12 * 1.2) (-15% ease)
same card after 14 days -> (Press "Hard") -> show again in 16 days (14 * 1.2) (-15% ease)
same card after 16 days -> (Press "Hard") -> show again in 19 days (16 * 1.2 * 1.2) (-15% ease)

Good

If you press **Good** on a review card, it's previous interval will be multiplied by **ease**.

Here's an example card:

Previous interval: 10 days
Ease: 250%

newly card that you reviewed 10 days ago -> (Press "Good") -> show again in 25 days (10 * 2.5)
same card after 25 days -> (Press "Good") -> show again in 63 days (25 * 2.5)
same card after 63 days -> (Press "Good") -> show again in 157 days (63 * 2.5)

Easy

If you press **Easy** on a review card, it's previous interval will be multiplied by **(Ease * Easy bonus)** and it's ease will increase by 15%.

Here's an example card:

Previous interval: 10 days
Ease: 250%
Easy bonus: 130%

newly card that you reviewed 10 days ago -> (Press "Easy") -> show again in 33 days (10 * 2.5 * 1.3)
same card after 33 days -> (Press "Easy") -> show again in 107 days (33 * 2.5 * 1.3)
same card after 107 days -> (Press "Easy") -> show again in 348 days (107 * 2.5 * 1.3)

Interval modifier

an interval for review cards will be multiplied by interval modifier.

There are 2 things that Anki must remember when we decrease the interval:

- How much time has passed since we last reviewed this card.
- Card interval set for the last time we reviewed this card.

so it's buttons interval is less than previous interval. anki will automatically change it to previous interval.

Here are the same examples with an interval modifier of 90%:

Hard

If you press **Hard** on a review card, it's previous interval will be multiplied by **hard interval** and it's ease will be decreased by **15%** telling anki to show you the card more frequently.

Here's an example card:

Previous interval: 10 days
Ease: 250%
Interval modifier: 90%

newly card that you reviewed 10 days ago -> (Press "Hard") -> show again in 10 days (10 * 1.2 * 0.9)
same card after 10 days -> (Press "Hard") -> show again in 13 days (12 * 1.2 * 0.9) (-15% ease)
same card after 13 days -> (Press "Hard") -> show again in 15 days (14 * 1.2 * 0.9) (-15% ease)
same card after 15 days -> (Press "Hard") -> show again in 17 days (16 * 1.2 * 0.9) (-15% ease)

Good

If you press **Good** on a review card, it's previous interval will be multiplied by **ease**.

Here's an example card:

Previous interval: 10 days
Ease: 250%
Interval modifier: 90%

newly card that you reviewed 10 days ago -> (Press "Good") -> show again in 23 days (10 * 2.5 * 0.9)
same card after 23 days -> (Press "Good") -> show again in 58 days (23 * 2.5 * 0.9)
same card after 58 days -> (Press "Good") -> show again in 144 days (58 * 2.5 * 0.9)

Easy

If you press **Easy** on a review card, it's previous interval will be multiplied by **(Ease * Easy bonus)** and it's ease will increase by 15%.

Here's an example card:

Previous interval: 10 days
Ease: 250%
Easy bonus: 130%
Interval modifier: 90%

newly card that you reviewed 10 days ago -> (Press "Easy") -> show again in 30 days (10 * 2.5 * 1.3 * 0.9)
same card after 30 days -> (Press "Easy") -> show again in 97 days (30 * 2.5 * 1.3 * 0.9)
same card after 97 days -> (Press "Easy") -> show again in 314 days (97 * 2.5 * 1.3 * 0.9)

Lapses

Controls scheduling for cards in re-learning phase.

Steps (in minutes)

It's the delay for re-learning steps for new card.

when you fail a card (press "Again") and enters re-learning phase (same as learning phase) and you see it's interval is reduce and again, you'll see it again in re-learning steps.

New interval

It works as the graduating interval in New cards tab. the difference is that you can set it based on cards interval.

Examples

Previous interval: 60 days
Steps (in minutes): 10 1440
New interval: 0%

newly card that you reviewed 10 days ago -> (Press "Again") -> show again in 10 minutes
same card after 10 minutes -> (Press "Good") -> show again in 30 minutes
same card after 30 minutes -> (Press "Good") -> show again in 1 day
same card after 1 day -> (Press "Good") -> show again in 0 days (60 * 0) (previous interval = new interval)

If you press "Easy" in any of these steps this is what happens:
card -> (Press "Easy") -> show again in 0 days (60 * 0)

Minimum interval

It controls the minimum interval for a lapsed card.

Example

Previous interval: 10 days
New interval: 0%
Minimum interval: 1 days

newly card that you reviewed 10 days ago -> (Press "Again") -> show again in 10 minutes
same card after 10 minutes -> (Press "Good") -> show again in 30 minutes
same card after 30 minutes -> (Press "Good") -> show again in 1 day
same card after 1 day -> (Press "Good") -> show again in 1 days (10 * 0 = 0 (which is less than the minimum interval (1 days) so anki automatically changed it to 1 days)

Leech threshold

When you press a button that was 30 days, anki might give the card a different interval. So a how to fuck up anki is to press "Again" on cards that you know. Because anki will think that you have anki automatically applies a how to fuck up when you press Anki knows some new cards, you won't have to review all of the cards for a long time.

Leech threshold is for you to understand how hard/ease.

Example

Interval for card 1: 20 days
Interval for card 2: 20 days (or any button)
Interval for card 3: 20 days (or any button)
Interval for card 4: 20 days (or any button)

Now here's the interval for an easier card in your deck:

for card 1 the interval should be something like 10 to 20 days
for card 2 the interval should be something like 20 to 30 days
for card 3 the interval should be something like 30 to 40 days
for card 4 the interval should be something like 40 to 50 days

this was my understanding of leech options and the 4 points. If you don't understand some parts of it, please ask me about it.
don't modify the settings unless you know what you're doing
you don't have to change everything you see 😉

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ankidt Jul 2019
Anki Developer

Thanks for this!

Jul 2019

Reply

ankidt Jul 2019

very helpful thank you so much

Jul 2019

Reply

Ben Jul 2019

I also confirmed that discussion on Work Pro FAQ (Discussion) 🇺🇸

Jul 2019

Reply

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In a 3 possible that I do not have "Add Interval" button? I have the 4 (26 version).

Jul 2019

Reply

ankidt Jul 2019

you should create 10 scheduler in Tools > Preferences > Anki 2.1 scheduler (beta)

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Reply

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Hi, thank you, for this article clean my old card?

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Reply

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I'll still read just the learning cards or for not-graduated cards.

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Reply

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Thank you very much for this in-depth tutorial!

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Reply

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reviews card that you reviewed 10 days ago -> (Press "Hard") -> show again in 10 days (10 * 1.2 * 0.9 * 0.9 (-15% ease) * 0.9 (interval modifier))

According to Anki's Documentation (Deck options) 2., the will be adjusted to "0 days". I think?

Thanks, as new intervals cannot regain of will reduce at at least one day longer than the previous interval.

Jul 2019

Reply

Jul 2019

yes, that's true, but I'll change it soon! I've mentioned and and didn't want to confuse them about the one every day. What anything would get rid of it 😉

Jul 2019

Reply

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Thank you!

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Reply

Jul 2019

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